

Bookwidgets derde jaar

Les1 Materie tot mengfels

- o *Volledige opdracht*

https://www.bookwidgets.com/play/t:77n4s0jZH91u9z92E8r6PIwAEkVaPTm93pDOGTR_3fIGUFZOUUE=

- o https://www.bookwidgets.com/play/t:77n4s0jZH91u9z92E8r6PIwAEkVaPTm93pDOGTR_3fIGUFZOUUE=
- o **Dit zijn de aparte bookwidgets die ik heb toegevoegd aan het vorige deel:**
- o **Aanknoping les 2:** <https://www.bookwidgets.com/play/t:O3aBkAzi8PYT0ortp-py1UAZcn6eLZsLS62jnHqwj7BQU1VGUDg=>
- o **Herhaling les 2:** https://www.bookwidgets.com/play/t:TagTvtGtmKYuiPyhDrI2X179D0iy7I89_meSK4TSdDU3UU1UNzU=
- o **Syntheschema les 2:** <https://www.bookwidgets.com/play/t:2IKkOmvbhBFZNXc9G4HR44E5ZylfdNk-AmjfwZA0ZIY5UUs5OU0=>
- o **Audio 1:** https://www.bookwidgets.com/play/t:4KDCdTjxL5YJKGyR1sSJ-99CSMlpKUHCTGf_PhG3mCRMUTVVTFM=
- o **Audio 2:** https://www.bookwidgets.com/play/t:K1K2_9t7yR2YIn_rmcAUQsyP5JhilPLYOfI9PUASyg9HUTdIR0I=
- o **Audio 3:** <https://www.bookwidgets.com/play/t:DMzvN1AOy1oq--t7zk9wqLn5f0yOgQhGF4v39fwGw5A4UTVQOFA=>
- o **Audio 4:** https://www.bookwidgets.com/play/t:HpP23oyGqkT-rw8_QMX_0yVSLmLtr4vBmAHZP5MjmtPVUTZUVUE=
- o **Stappenplan oefeningen:** https://www.bookwidgets.com/play/t:iJlaeZtU7n6AsSuP7HE_n8R WerzvJbo_Tle1JxXiRQ05UTQzOUE=
- o **Extra toets les 2:** https://www.bookwidgets.com/play/t:_yefrfq0p3RW_TcqyFxpnpdvRX0kdNuVcsp2XtvSps84UVpaOEg=
- o **Verwondering les 3:** <https://www.bookwidgets.com/play/t:pvlUS3v4bN3aeHpa3llgQZUo8I4SdW2a1Jp1Sx5k15tCU1gzQjk=>
- o **Herhalingtoets les 3:** https://www.bookwidgets.com/play/t:blrgqB4WBXPj_ALFON6n_bJKGDwiBpSSFcncflu27KBDUUs2Q0o=
- o **Audio 5:** https://www.bookwidgets.com/play/t:N0ObTqiSnt_k022dWXj6bQwqu8iHE2aJUD2jVVtiLJU4UTU3ODc=
- o **Audio 6:** <https://www.bookwidgets.com/play/t:14Hw-uFQog1FM5rfT3FAASCWSDC-WlOlDA14zngNA7xRUTdUUUg=>
- o **Audio 7:** https://www.bookwidgets.com/play/t:sCx_nd0zu51YSTDs1QgGumk8h2bz_jdapl4_ilk_Q0A0UTVUNFQ=

- **Audio**
8: <https://www.bookwidgets.com/play/t:7t4EvKVZxACmzDhUA1nnyxq36odOA KdqmqxEIqFbIARGUTZMRkl=>
- **Audio 9:** https://www.bookwidgets.com/play/t:SgVXZt-YzR9p8iNNeLta_GmKbSTD2o3Pft8QGpyHvFtLUTVFS0E=
- **Overzichtstoets:** https://www.bookwidgets.com/play/t:77n4s0jZH91u9z92E8r6PlwAEkVaPTm93pDOGTR_3fIGUFZOUUE=
-
- ***Aparte links naar de nieuwe onderdelen***
<https://www.bookwidgets.com/play/t:HMicgE5PH50tzP1h4Kn5B5pqhnMzQhMcIM5FPTZbLQ9MVDZTTFE=>

https://www.bookwidgets.com/play/t:hvkqo1mp_yCtnLMZqZPTOMXKn8F3rCnmEHJX0Buch83VkNON0U=

<https://www.bookwidgets.com/play/t:-YSZFuaIFKITDiDWvewzDwe-i68Z7BQag37dNgsUvihSUFNGM1g=>

<https://www.bookwidgets.com/play/t:Qc8JLEBQLk3xg9Lhe9U1mPAc4aO4YNTa4mQk kw8WiUVWVVNSVko=>

<https://www.bookwidgets.com/play/t:MrwooCJoqKX676WWGSFZrefXTPdYkTf6e9Yt5IJbnUJUVEE4VFE=>

<https://www.bookwidgets.com/play/t:0b1lnh9Eyyu-Hr514SaXUgDTDdpjRFwRXxEM9pmkzUJIVkVGSFg=>

<https://www.bookwidgets.com/play/t:ruxd6TMoU6GNObTm-A2gGyczgRUv4G5PBEGis30yFI5KVkdGSIQ=>

https://www.bookwidgets.com/play/t:ghWvHd_MRpmXuUQs4bBRTGiTqDwOT_n42I6NEtf-XTY5VTM5OV0=

Les2: Scheidingstechnieken

- **Webquest :**
<https://www.bookwidgets.com/play/t:ZSmFdmGJqkLiK1UqTHK1jZmfYUCMmqJoshcnPhX8LoyUUdXMkg=>

Even afstoffen :

- **Planner :**
<https://www.bookwidgets.com/play/t:kGwhfyx9TCzZKGAGGTwSPw3mVRb0iSkrvHgstULbjuJRUDIyRVM=>
- **Quiz :**
https://www.bookwidgets.com/play/t:gF3pBVu-QqZu -uXF_mq7_Bnx0XH54ZV50bQmaMoF6BIS1Y4VU4=

Inleiding :

- YouTube filmpje :

<https://www.bookwidgets.com/play/t:ffaszTatSIQlgrkHg-XhhANbDN5DBZhsFg2PT49VICdUU1Q3VDk=>

Theorievorming :

- YouTube lesvideo :

<https://www.bookwidgets.com/play/t:S4chLD1Z05YIJFVh4kKnTCPLU7nYB1Prgp0AkWGMwR9GVFQzRjQ=>

Gebruik : /

Werking :

- Voor&Na Kristallisatie :

<https://www.bookwidgets.com/play/t:umfmNwcmLnQWQYmv2jVm8-vmkYNTxPixBEc5lppq5XZg2UDlyU1k=>

- Afbeelding Destillatie :

<https://www.bookwidgets.com/play/t:lvRLrbHuanAQvdLmwBDVA6gX5ADnNTMiFSg5vzaEaEg4UDlyUlg=>

- YouTube Centrifuge :

<https://www.bookwidgets.com/play/t:JRKyMI3tut5n3v41iOkDOHFBp4Oic1yslebl5sr5Z83UDlyVIU=>

- Werkblad Centrifuge:

<https://www.bookwidgets.com/play/t:e43ktMGfTquKBHeo2Ota5jsbwBlz8zyAKwvYcnP7DYA0UDlyWVU=>

Toepassingen :

- Gedeeld Whiteboard :

<https://www.bookwidgets.com/play/t:uycGcDYgeFENFBWcu--xhPP79K1OFnIW6khuIhhsjs0UDlyNVA=>

Scheidingsschema :

- Checklist :

<https://www.bookwidgets.com/play/t:H9t055PDd7GnyLsZ9p9JFuUnhoGAtTdb4MW0yz5qvBNGUDlyODk=>

Labo : 5 mei

Inoefenen :

- Kruiswoordraadsel :

https://www.bookwidgets.com/play/t:GdkdX540FvDh3p6zBSdXcvmHf0xb9zb_5LrmtcfGXlplUDlzQTQ=

- Woordzoeker :

<https://www.bookwidgets.com/play/t:lllaUj3eFtn8D8syq6vgmkdRDMpCLKF0Bf73ldNhXz43UDlyOUc=>

- Werkblad Scheidingsschema :

https://www.bookwidgets.com/play/t:cF_W9uGuSEIoWmU1zoIBuHbtfM-VI33_I_vlNhkEOERLVE1RS0Q=

Synthese oefeningen : 5 mei

Toets :

- Quiz toets :

<https://www.bookwidgets.com/play/t:qxnDZS3Exz4JruGSWdTRp1-JCU1OTaY6QEAgpsPIXMNKUDJaTVM=>

Les3: Scheidingstechnieken

<https://www.bookwidgets.com/play/t:Tuleqy6zSgOjvmqknK7mPIR6BdnKk9mc4Ghml-hbOuvQTK1CNjg=>

Webquest: <https://www.bookwidgets.com/play/t:Tuleqy6zSgOjvmqknK7mPIR6BdnKk9mc4Ghml-hbOuvQTK1CNjg=>

Even Afstoffen:

Herhalingsoefeningen: https://www.bookwidgets.com/play/t:5n6qc-Qn-SmAUiJ8D2Qh_DT-nkNrrxtOOnLdkfb5P8pXTTJBWfY=

Mindmap: <https://www.bookwidgets.com/play/t:xVaAEFQA-998xtQRr5xUDkLt3kgaBAFdRMuLXfSmiS1GTTRXOEQ=>

Aankondiging:

Yt

video: https://www.bookwidgets.com/play/t:hBVIOcAYdY7_KQF6uHi0irt6VhbaXX1yP3XwkiNnwak1VEpQNUQ=

Chromatografie: toepassingen: <https://www.bookwidgets.com/play/t:xywOMZsPtATfJMzPmt72riY0g7N4rrJTuk-4uwUJa35FTjM2RFo=>

Besluit en

waarnemingen: <https://www.bookwidgets.com/play/t:C6NQm3HkhYjvIVufwNBp8utuoj1Ni5RfCj2IST4L2shKTIk5Q1c=>

video: <https://www.bookwidgets.com/play/t:E0okfOpm38uWiAiaKcemsUTII9Pv4 PkmHDguPwkhaTTRUVUE=>

Adsorberen: waarnemingen en

besluit: <https://www.bookwidgets.com/play/t:zZvwfrSEWcnD0zUkdDOb2hYjQaooXhEPLmTs dNh1GWBVTlpBUDc=>

Extractie: waarnemingen en

besluit: <https://www.bookwidgets.com/play/t:ab76LupPpI7kEyaMr6F5rIbZ059-8YaXV1CEC3U5uXE0TTM2Ulk=>

video: <https://www.bookwidgets.com/play/t:l7srUQafGeADyFTQk30CKYXdPp8J3VrHdVMc5w8MC-w5TTMySjY=>

Decantatie:

waarnemingen en

besluit: https://www.bookwidgets.com/play/t:GwZThwHZIDxZgQMI1xopSLrsJXPvvO2nR0_Pl eMhuVZSTTJNNEo=

checklist: <https://www.bookwidgets.com/play/t:hWCCtYOWlsY1IVT-B6FCozmfjdOEZXeo1tc6hy2XZbNUTTNTOTU=> &

<https://www.bookwidgets.com/play/t:vzdrJmFD3vTsJPmymoEuu6YyUQVPCsQATNH-uXCbNVRHTTNVRTk=>

video: <https://www.bookwidgets.com/play/t:qDq5DhLIHvIMYEjCSrNCabstJyEp0ANQX1jzt4Eog38yTTJMRVk=>

Filtratie: waarnemingen en

besluit: https://www.bookwidgets.com/play/t:ArqjE0kwKN9HpLfeWRdB3d0j_P6e7MWFu3LyrhGJXz04TTJGNzY=

foto voor &na: <https://www.bookwidgets.com/play/t:QWXEDyZr-BonNUIjzE4cpcSCXK3Ylfc2SW-nvcsg2qw3TIIxUjc=>

video: <https://www.bookwidgets.com/play/t:PXxFQCvUE0gAJD8L1b7H24MmBsWBcR40csVIYKPArvYzTTJEQjk=>

Inoefenen:

Dagelijks leven: <https://www.bookwidgets.com/play/t:XBrc3wqVtdpI2Nt7tV6LRg2l-LmKzGDySMZKHdzDEsc4TjMzUlc=>

Kruiswoordraadsel: https://www.bookwidgets.com/play/t:Cy9lrDdQuTP4735XXqKUHIJjrFPEhjL9O_xkF4AFBfilTTRXV0s=

Paren

maken: https://www.bookwidgets.com/play/t:ADVWbLf2J6DVgD2Drfw_R0YkdEkoiSolU5g68MKtyzczTTRaV1k=

Synthese:

Mindmap: https://www.bookwidgets.com/play/t:Xe3ETpAU4PwLfYnJXUQOXa_syMwD-cO3iY-C-OB3la5RVEZSUTg=

Yt

video: <https://www.bookwidgets.com/play/t:TKs5TGw0uDn1dqsqCDSqk5pef02y0DgCxARdFIBMCIszVEhFM1Q=>

Toets

<https://www.bookwidgets.com/play/t:sxC4I3WdfiIJWPQ95C8wojcpP6ndxq4ExJPHf3Bc7hETIpRTjk=>

Naast de filmpjes van schooltv heb ik ook de link geplaatst voor moest het niet werken op de computer

spel: https://www.bookwidgets.com/play/t:xh9kCna0by8FWm4xbzT6VCZuY2qJsYEEChsj_OmXDGRZVTVMWTY=

planner: <https://www.bookwidgets.com/play/t:OawCHfyadhoWrDdz2pu7AmJy7BNqu753VbJUP5nFN5ITTNTVVU=>

checklist: <https://www.bookwidgets.com/play/t:hWCCtYOWlsY1IVT-B6FCozmfjdOEZXeo1tc6hy2XZbNUTTNTOTU=>

Ik heb een heel leuk filmpje gevonden op het internet!

<https://ed.ted.com/lessons/how-do-we-separate-the-inseparable-iddo-magen>

Les4: Zuivere stoffen

webquest les 11+12

https://www.bookwidgets.com/play/t:_rbCsEzi5O6-Ni2B-l-zs35RV6ULib87WZsdgr9tSPVDUUFNU0=

Onderdelen :

Start: audio

https://www.bookwidgets.com/play/t:txLltdfz1D9CAQjZbCQw5IRLCiWgvlXlo08rKjK1f_tOUIJZTIY=

planner: audio, planner

<https://www.bookwidgets.com/play/t:jg-M8YmP2hZkc5FUJRnVvfcDg8z4LFXfUxuAoDMduGhGUINCRlq=>

https://www.bookwidgets.com/play/t:np79quPwh_VlaM6ja1t4fIbL09e2KyCb2NqljC81Zvc3VDkzNzY=

even afstoffen: audio 1+2, theorieherhaling, quiz, mindmap deel 1

<https://www.bookwidgets.com/play/t:YuOpgyWrAMYhqLFOhmBpWK-mXd6OP2ZERHV7BbtS06JCUINIQlo=>

https://www.bookwidgets.com/play/t:djeUEpN_Lyg06FmN1-ql0cr9ED7H3A6O2D_Xk1byCAxGUINDRlc=

https://www.bookwidgets.com/play/t:ybmeHY6XyyoxoAUmMUcqKg_24QtIxP9ask3BcUIy6-45UUZDNII=

https://www.bookwidgets.com/play/t:n9rp3VwXHmw4_m6MfISBrS4T0ONyG5Pt-xu9rGN5taZKUDZQRzU=

<https://www.bookwidgets.com/play/t:X1vhqt1kxNEvta0hPtUVYd5Ste1xAADil8zK-LGaya8yUk45Mlg=>

inleiding: audio 1+2, vimeo, fototegels

https://www.bookwidgets.com/play/t:OeGQPi2AOcEb0ejKvNrm2-2RkaUNSCCv_wENYQwG0d5RUIRVUVQ=

https://www.bookwidgets.com/play/t:8bxqjuXy5NhvtuIFoOA_LNAzIbK96ZzWLjlmJQX0I1pZUIJUUUU=

https://www.bookwidgets.com/play/t:l0WO15fSH2vCAoHRRSc4Afz1WtbCpGg6bP5Bjj_N26VYU0pZWEg=

https://www.bookwidgets.com/play/t:PEDWdyMA7_q4sqnsIDbCbfoAfHIRtB3y1-PPlaaRXJOUk1QTKe=

les 11 onderzoeksvraag: audio

<https://www.bookwidgets.com/play/t:X2d4WXUjKxXpFYyZ5K45tez9PTMqJYo4cZeoGGD4m8FXUIE2Vzg=>

1a) analyse verhitting van suiker: audio, hypothese, checklist, video, uitvoeren, werkblad

https://www.bookwidgets.com/play/t:x7UBQ5Ys4ge1xer8AS8iDNMOTbnOhU-JOed_uzXKuF9SUII3Ukc=

<https://www.bookwidgets.com/play/t:AWcaXd-JxAGhGIP5U4halkNP-mdIe9kQoRuQTKJS-JY0UUc1NDY=>

https://www.bookwidgets.com/play/t:Sh_1Ntr6_uhuDTHyw4rg4nE8x7GQD5DnARqZYcu-yfpKUUhDSjI=

https://www.bookwidgets.com/play/t:RroXJXJUcDB-5iLnffLBConx6udpDq89fwpkT0_i3tZKUUhESlo=

<https://www.bookwidgets.com/play/t:jIBFEu8etaw8eEapgADc9E9C45vnIF1BknpPXpbXDFIBUUpCQUo=>

https://www.bookwidgets.com/play/t:UIW4bgSAJsa2ZQpmCFB8wQBXF_Db-qWK3ZAUphx1261UUUpBVEg=

<https://www.bookwidgets.com/play/t:tIdj2oIO0U5KuzF6wSyMXy4SQLGHg5sNLonqtNh7ISVZUUhCWTc=>

<https://www.bookwidgets.com/play/t:XPcwWzCIYOTzSkEuWVxCrmG-eNu3DHTVF9oDCdUF6wU3UUhBN1M=>

1b elektrolyse ontleding water: audio, yt, afbeelding, werkblad

https://www.bookwidgets.com/play/t:mJXcWj71xg7bP4oUthdQ-G9qr_Bvb4mH2L1bCU4jCOo4UIFQODM=

https://www.bookwidgets.com/play/t:cdWWqbwedBjLP_Ab0sRQRMayfO_2xSZ15VLR-4wDw2szUUZLM1Q=

<https://www.bookwidgets.com/play/t:jRSsZIMerprpaFG6ciDoDI7le898obND4REJW2bCPjU5UUZKOUc=>

<https://www.bookwidgets.com/play/t:fhPMY6GUmeS2aXFsm48CJC1Ge24jUY5uIhNo-ctY9CNRUUhHUUo=>

1c fotolyse: audio

https://www.bookwidgets.com/play/t:1YhH6IsuQzF34iPmzuGmsaEQ9I1UD2nEEExr3-va_IpXUIJYV0U=

theorie analyse: audio

<https://www.bookwidgets.com/play/t:hhYp1sZe0Z2h9T84YYexhAAPHkzKofmwext3xewXecw4UIFRODI=>

synthese water: audio, werkblad

https://www.bookwidgets.com/play/t:TQ-klx2sKSerGOc_q9tdnr_jvu8a1giiNKIUum95PRUyUIVBMIE=

<https://www.bookwidgets.com/play/t:rV57XFGSwm99LjUUqEta08zzzevvDSyuMnPe6FdH-WS1SUUhFUko=>

synthese theorie: audio

<https://www.bookwidgets.com/play/t:G-YInIziNVVTuuN1cvV-dOhm7lemj6Cr1LZnPK545BFLUIFWSzc=>

kruiswoordraadsel:

https://www.bookwidgets.com/play/t:aXK0bDKe52F2wcPAuCq_nEb9K9H_Jicx3MiQ_szN645UDZYN0Y=

oef les 11: oefeningen, quiz 1 +2, flashcards

<https://www.bookwidgets.com/play/t:8lszAOke-qhy-ObwYzWu02bBaW0ZmysRnrBgRadINI1XUUhaV00=>

<https://www.bookwidgets.com/play/t:8lszAOke-qhy-ObwYzWu02bBaW0ZmysRnrBgRadINI1XUUhaV00=>

<https://www.bookwidgets.com/play/t:h-j42sVKBxix4f0lvyxstPy7dRCG5DUZW-HIHqhcBpFUK1DRTU=>

<https://www.bookwidgets.com/play/t:8c1SafDmIPq06tmiT8Znr6CzijQQOWRjWC1pg0AkA3NOUUNIUIA=>

puzzel:

https://www.bookwidgets.com/play/t:Fe-kajm7ubzqFLJFrdKSn5K6GM6LUzL0AIo_HW7a8Gc0UUdSNEo=

les 12 onderzoeksvraag: audio

https://www.bookwidgets.com/play/t:2vm_8MBjZPquq8SyDYQnQr8tt0NqJDUXQ_LBPhBipQJQU0VNUEc=

deeltjesmodel: audio, whiteboard

https://www.bookwidgets.com/play/t:O7K3I6XsoHFc6L5tvbS-_Nk8wxnfP_I5FeyUBWg4LbVWU0dRVlg=

<https://www.bookwidgets.com/play/t:k-r5TXWRIPSOBTcnGIDOHKf0RYh1GGICL6tR4Xa3UkMyUUUpOMIA=>

voorbeeld en vragen deeltjesmodel: audio en quiz

<https://www.bookwidgets.com/play/t:FxfDkWPcvIm5O4hmvrC4B8KOQS5bTOaiOkSHQ2IRY69RUUdQUUM=>

https://www.bookwidgets.com/play/t:S2CKp0tOdhnFcuVVM0IwS2EwKIQqv-MbB2-k7hOWf_A5U0pMOTk=

atoomtheorie: audio

<https://www.bookwidgets.com/play/t:ZxndacNFyoHjbiNkvncdnG1yqMVDXEUEZEmfcCfSVrFHU0hYR0g=>

molecuul en atoommodel: audio en fototegels

https://www.bookwidgets.com/play/t:_DcqnL3SJJz6I11ArS7XLcdjrd5KQA3IvhxtuFRx0Ho1U0dONUg=

<https://www.bookwidgets.com/play/t:uNGPi5j7nv-hX293zgpzloovUd9NvNNKSgDrLVFQAZCUUpIQkE=>

antwoord onderzoeksvraag: audio

https://www.bookwidgets.com/play/t:S1O671OhsFFPnU8y9gXjPx06BB_tuUaED433UecDiuRTU0ZZU1c=

practicum enkelvoudige stoffen: whiteboard 2, checklist 2, werkblaadjes2

<https://www.bookwidgets.com/play/t:yt0hFop8DQIUC8ztUB2iikmC5UNFpJbGKdgAWhtXP70yVDg4MkM=>

https://www.bookwidgets.com/play/t:wFIMH3iDMXafQVmO0WSWrwr6c2L_8MzOc2FJe5pqq-1EVDZFREo=

https://www.bookwidgets.com/play/t:doQfL_0Lm8d_r5QKmUUZVkJEurVhRixhGdVjOt37PdBc4VUFROEQ=

<https://www.bookwidgets.com/play/t:3RbGucgAXsTErfLV8TJzpQUN7BYryldLMW5vAF4WDTVZVUJXWU4=>

https://www.bookwidgets.com/play/XT87XK?teacher_id=6288174513913856

https://www.bookwidgets.com/play/4T8749?teacher_id=6288174513913856

oefeningen: oef les 12, quiz

https://www.bookwidgets.com/play/t:9ifNyKPa8R0yJcH9cfh-ZwUOeNo-vFKNIoUJpig8_sZMUK1RTEQ=

https://www.bookwidgets.com/play/t:sBQ_Y0tJHnen1u_1Gze13UKAkoE6uUgxf_tEA5Yz1BkyUUo2Mjc=

synthese: audio en mindmap

https://www.bookwidgets.com/play/t:O69Rd84cHPb3fTXmdCMFesI_88T-x-IKuawlwvUGeb82U0ZXNjg=

https://www.bookwidgets.com/play/t:BG7mwXGHfCA7Ewa51cgW_OGoOcjT884QGl02cy6LKBZUk00WTk=

toets

<https://www.bookwidgets.com/play/t:LaXgc4ekAhCsQeQIc5aJwokyJdxF3dPUrBrAC99Ar7dUU0xDVEI=>

werkvormevaluatie

https://www.bookwidgets.com/play/t:FMWItc1RmMhWE9UIbAHJz2xuUtlk_89xEwprFzfmztGVEg3RkE=

Les 5 Zuivere stoffen : enkelvoudige stoffen

Webquest "Voorstellen van zuivere stoffen":

<https://www.bookwidgets.com/play/t:t1i0E2Q5osMTJ9RBtd1hJkrsvAwtazkMLiPdIFymopCUUwyQIA=>

<https://www.bookwidgets.com/play/t:mnBQErOr7irkVrHoZpTzHR6AMXS2V7l4NpPkRegVQtZCV0Q1Qk0=>

https://www.bookwidgets.com/play/t:E4DmjXKs-skKnBS35fL4Tzsl9SFhtpRbZT_gu-95_1FUV0JaVFQ=

<https://www.bookwidgets.com/play/t:dpCsqiSbRbldj8oJzUrqWDYlnA5Dm6pNZ9HgyiYzNphBUUxFQUQ=>

<https://www.bookwidgets.com/play/t:xVW1PaEfoet7jfjIYB--7NRRGRMTQgSNRo1n67drcwZKVIHSHSkQ=>

<https://www.bookwidgets.com/play/t:xVW1PaEfoet7jfjIYB--7NRRGRMTQgSNRo1n67drcwZKVIHSHSkQ=>

<https://www.bookwidgets.com/play/t: swKTrE55lx6IDPrS8FHC61swXRhbcY3M3gfxX9bpOA1VIZSNVc=>

<https://www.bookwidgets.com/play/t:eoRwOeWcwPWSNKqwDP4GrhLUoqgsnNETEiDtnqyBEltUVIAyVEY=>

https://www.bookwidgets.com/play/t:Dd4v_8YYdpF-oLIXP4Tj4tcnl_8dCwj302G21H60B_VLU0pBS1g=

https://www.bookwidgets.com/play/t:tqjwS9OyMUe-512mUUStaZUN5_iE_1xBVlfPkavo_lw3VIBKNzc=

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https://www.bookwidgets.com/play/t:oddnT3-w6_zJJ5uk5OHrJko2q9x5Bpx8ujtdQ4WWoYxWUUXHVjU=
https://www.bookwidgets.com/play/t:h7SciriMLld_10TrGHjeZil-TQgi-psOPrPctju0TGRHUUwyR0Q=
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https://www.bookwidgets.com/play/t:giILXyRUnekD5XCG5dGLdYoUG76on1cOQ2YIDfO_f9dKU1RKSkc=
https://www.bookwidgets.com/play/t:MXJ-R1weS5wOUjdmWfg_iLMvA6VfWV7jguLp0ecGKZJIUFISQkY=
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https://www.bookwidgets.com/play/t:CluhdE42-kzR46IIQoogEbGjqPZ27QakCFa1H_YZ1ydDUUxWQ1M=
https://www.bookwidgets.com/play/t:mh22Yc8ioaGZhvRcBUJ2su5UqIzMUyUKr6lfv_9ZGUFITNFA=
<https://www.bookwidgets.com/play/t:eVrjU4TsWqOm2mrYo-BcUQqdHxMkuBOt66LbKigD-UpLU0pCS1c=>
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<https://www.bookwidgets.com/play/t:GkbY-rILYkrYYvQJip-4dRmJoKWwIcAe3iLW7Cc289tYUUXDWDU=>
<https://www.bookwidgets.com/play/t:FhovaUzggIFlwqZLzquNVNmPlx1-iNttczxNwtf36RFVUUXBVUQ=>
<https://www.bookwidgets.com/play/t:eSLp-9MrUT01eELtEvpw7YfZBgQMyVc-YgSfHhrhh6NLUUtIS1I=>

Les6: Chemische reacties: stofreacties

- Webquest :

https://www.bookwidgets.com/play/t:_ZSmFdmGJqkLiK1UqTHK1jZmfYUCMmqJoshcnPhX8LOYUUdXMkg=

Lesplanner :

- Planner :

<https://www.bookwidgets.com/play/t:kGwhfyx9TCzZKGAGGTwSPw3mVRb0iSkrvHgs tULbjuJRUDlyRVM=>

Even afstoffen

- Quiz :

https://www.bookwidgets.com/play/t:gF3pBVu-QqZu - uXF_mq7_Bnx0XH54ZV50bQmaMoF6BIS1Y4VU4=

Inleiding :

- YouTube filmpje :

<https://www.bookwidgets.com/play/t:ffaszTatSIQlgrkHg-XhhANbDN5DBZhsFg2PT49VICdUU1Q3VDk=>

Theorievorming :

- YouTube lesvideo :

<https://www.bookwidgets.com/play/t:S4chLD1Z05YIJFVh4kKnTCPLU7nYB1Prgp0Ak WGmwR9GVFQzRjQ=>

Gebruik : /

Werking :

- Voor&Na Kristallisatie :

<https://www.bookwidgets.com/play/t:umfmNwcmLnQWQYmv2jVm8-vmkYNTxPixBEc5lpq5XZg2UDlyU1k=>

- Afbeelding Destillatie :

<https://www.bookwidgets.com/play/t:lvRLrbHuanAQvdLmwBDVA6gX5ADnNTMiFSg 5vzaEaEg4UDlyUlg=>

- YouTube Centrifuge :

<https://www.bookwidgets.com/play/t:JRKyMI3tut5n3v41iOkDOHFBp40i-c1yslebl5sr5Z83UDlyVIU=>

- Werkblad Centrifuge:

https://www.bookwidgets.com/play/t:PZHGYdMH7XqaZjCa2nCLGCrK6mX1z23nX_G nmrqVsXA5VIU1OUI=

Video's :

- Toepassingen Video:

https://www.bookwidgets.com/play/t:NpKGiYlZnQmmO_Aea12qlVAyQxdGvP9ioF_8 1N_VyKIXWIZMV0Q=

Toepassingen :

- Gedeeld Whiteboard :

<https://www.bookwidgets.com/play/t:uycGcDYgeFENFBWcu--xhPP79K1OFnIW6khulhsjs0UDlyNVA=>

Context : /

Scheidingsschema :

- Checklist :

<https://www.bookwidgets.com/play/t:H9t055PDd7GnyLsZ9p9JFuUnhoGAtTdb4MW0yz5qvBNGUDlyODk=>

Labo :

- YouTube :

https://www.bookwidgets.com/play/t:FvTu_sbn3zE4Z0UPHMOdwza3PLIYiCH9eqFGSCMo0JBaVlo3Wkw=

- Checklist :

https://www.bookwidgets.com/play/t:tkK_-sqjj4-RxlK3qA6NBRiueuJmDmj82s8ISBMGnFIBVINZQUc=

- Werkblad :

https://www.bookwidgets.com/play/t:PZHGYdMH7XqaZjCa2nCLGCrK6mX1z23nX_GnmrgVsXA5VIU1OUI=

- Les-evaluatie :

<https://www.bookwidgets.com/play/t:g9pELxB4vk8ZiVXwycjGoaB27OXWwCBIsSCFIFtIPq9SVk02Ukg=>

Inoefenen :

- Kruiswoordraadsel :

https://www.bookwidgets.com/play/t:GdkdX540FvDh3p6zBSdXcvmHf0xb9zb_5LrmtcfGXlplUDlzQTQ=

- Woordzoeker :

<https://www.bookwidgets.com/play/t:IIlaUj3eFtn8D8syq6vvgmkdRDMpCLKF0Bf73ldNhXz43UDlyOUc=>

- Werkblad Scheidingsschema :

https://www.bookwidgets.com/play/t:cF_W9uGuSEIoWmU1zoIBuHbtfM-VI33_IvINhkeOERLVE1RS0Q=

Synthese oefeningen :

- Memory :

<https://www.bookwidgets.com/play/t:BAJ2MOIhrFywaO1tMLtWeJ5kiNQDwayPzviP6caC9hOVIRXTII=>

- Galgje :

https://www.bookwidgets.com/play/t:iazf-rC_9oetyMnJtsg-lZEjbszkQDeVG_ZjulvMv29MVIFaTFY=

- Afbeelding :

https://www.bookwidgets.com/play/t:ZE-t0qMKXoX73XM-C_7NamFSpsmFKRCGvj4gYXCzUzIZVlpaWVU=

- PDF – document :

<https://www.bookwidgets.com/play/t:kENpTb924sHbZmHgsxTdUwQZXDnhXRC43HEFjij-yPFOVjNRTIA=>

- PDF – document :

<https://www.bookwidgets.com/play/t:QcsEAE-J0zxyBjl6dQUFFAkV6HhKU8zc0omZdOXbMadIVjJVSFc=>

Toets :

- Quiz toets :

<https://www.bookwidgets.com/play/t:qxnDZS3Exz4JruGSWdTRp1-JCU1OTaY6QEAgpsPIXMNKUDJaTVM=>

Les7: Chemische reacties: energieveranderingen en balanceren van reacties

<https://www.bookwidgets.com/play/t:3RNovDrvW88KBdhiolrJPH9iKw5SuGeDxUzVGP1KnJaUEJEVEc=>

Glowstick :

https://www.bookwidgets.com/play/t:7fLBU8YA7WIJChlg1wRNr6RyvTjmVf_0IRImRhM8lodUVzhlVEU=

Verwarming:

<https://www.bookwidgets.com/play/t:8bY32Rjj3c2f2WBbFCmQGCh5XxZreJP95cyqHNqVwKQzWEFVM0c=>

Video:

<https://www.bookwidgets.com/play/t:fHOcO7IMXl4HoVIEO8xDkd6t5l1D0yULiuv04fyuEXJaVENYWks≡>

Planner:

<https://www.bookwidgets.com/play/t:mYYRfRc8apsQCx8ucgSgqRoxdrN3hxfzVFxeGnfjMQNCUEJEUEE=>

Fotoreeks endo-energetisch: <https://www.bookwidgets.com/play/t:KxfueJrdclXBSWX-l-kBmR4IGp5m60RWDNPh5mA-IXVFUEEzNjM=>

Fotoreeks exo-energetisch:

<https://www.bookwidgets.com/play/t:UI7WynSfZmOkjzhgr8PxdF7l9XcRUA0xdkmtD8l9gK4zUEFaNkc=>

Werkblad veiligheid: https://www.bookwidgets.com/play/t:-S5fuZDAuldIRBqijZKQptNk3Uyx0_QYOM5LY49tQSVCUVA3QkY=

Andere energieomzettingen theorie:

https://www.bookwidgets.com/play/t:1M0jIWWKHdfegGpkwum42_3tFmMu6a6hui5GxP6asrQzUkxLM00=

Thermische energieomzettingen theorie:

https://www.bookwidgets.com/play/t:oDaE2bN2709GulLnVtLDZ5qK-uwq_jlxyRvQQxUOoFXUIBBVzU=

Les-evaluatie: https://www.bookwidgets.com/play/t:diU-8tFOYGQbBRbP1JqRXE-zIIPtbeb8tNf_bSpW8bRMUK1DTFI=

Toets: <https://www.bookwidgets.com/play/t:fdUZeJHsfGdpUkx8KY-qZhB2q2A9459h3v7hqVIHAXA0Ukw3NFg=>

Soorten energievormen:

https://www.bookwidgets.com/play/t:aLMY_rfEOCGHb7_Hr67BrH_6cUgGvQkkRH2fKp7GnjxHUko1R0l=

Exo- of endo-energetisch: <https://www.bookwidgets.com/play/t:okVvaxi2k63Gw-q9-TqlaW82eevDMWnePQ5NgFepf0RVUkdQVTM=>

Oefeningen: https://www.bookwidgets.com/play/t:1qOucm3Uwz3QX6RLczgvONkul3_5CzeGKyj6pYpq-1ZUUhWWU0=

Waarnemingen proef A:

https://www.bookwidgets.com/play/t:gOoC_wfUO3cTluHgOjSobS_Pt6ULiMpCLZ4WcSKo9fxDTjZVSjU=

Waarnemingen proef B: <https://www.bookwidgets.com/play/t:I5E30rmcj6twz0UXKDErkNMyarRnRoKX-OVYng0F0g9GTjZXUII=>

Waarnemingen zelfstandige proef: https://www.bookwidgets.com/play/t:aDkOwv-wHlaV_GWPGRBbuhuDRvvui6Zh9IYH0Pu5FLtKTjdNVVQ=

Voorbeelden: <https://www.bookwidgets.com/play/t:-EieEmiSHKmtQYcpoEAJKA1BTJomVoUTkH6FJFTqXkrQTjdSSFY=>

Extra waarnemingen endo: https://www.bookwidgets.com/play/t:Vling-aGFjEKmIA6oQKIDn_iV0U8OQxxRv8XVQuWWt1SUEVBNEY=

Extra waarnemingen exo: https://www.bookwidgets.com/play/t:TLi6pQ-j8Z_4jumElrbhU5ui8gCNza7ZEe_PhZ9wFTtLUEVBOUc=

Hypothese: https://www.bookwidgets.com/play/t:Jfm-eSFgOmxNtmhNveDb89azhU_qd5sjZ6k2u6eLL9BUVBGQTk=

Herhaling: stofverandering bij chemische reacties:

https://www.bookwidgets.com/play/t:ohESh6ej8vOlVRRPAaco23x1A-C7rDyDSg_FSQpnThXTjRUMjY=

Mindmap na:

<https://www.bookwidgets.com/play/t:1oQULYIIUqaQfOnoC9vGDcyVQpXv6LZEJuEksajCu01RUVBRUTQ=>

Mindmap voor: https://www.bookwidgets.com/play/t:-YehdkObJMyT5rOI5wOz2m_SobqfP0Wqe3p_4x4dWohBUU05QUg=

Pelletkachel: <https://www.bookwidgets.com/play/t:X4cEZ6VPxiDN2uOnFYHSPdo2wRvYgsvpwp0dUd-ty49FUU40RUQ=>

Voorbeelden fototegels:

<https://www.bookwidgets.com/play/t:e94c1bWGEUKrrWU28VRAp7MHw7vfUfu-ONM9BMIApi01UU04NVU=>

Definities:

https://www.bookwidgets.com/play/t:h_5Ogm7NJr0Xn7DKeITzNgtF5eTjDp4tTw9VkMLlhM2UUXZNjM
≡

Endo-energetische reactie:

<https://www.bookwidgets.com/play/t:tHSEkTvK66T2iJT691AOY4hknj56djHWTZNmODpsrQVMTjZQN>
Ec=

Exo-energetische reactie:

https://www.bookwidgets.com/play/t:cCceaJy5ZtTTSBZqcrSc2c5kUhDKFq1xF0fM_BPsGohTTjZVWkl
≡

Puzzel houtkachel:

<https://www.bookwidgets.com/play/t:jdILfhd4pPYWkyzmDAuTJmlq5QZWY5Ekvjfg5fDAqLJaUEE5UV>

Checklist proef: <https://www.bookwidgets.com/play/t:nhMcXP5CjMykY7-EHPAB-w5ktjnmkvsVemui1kcHz4o0TjdLS0w=>

Herhaling begrippen: https://www.bookwidgets.com/play/t:vzltu-Z3N9Q3XaCYJ5Oa5k_96oz_UXeZuFNRO8glX7UzTjZaVVg=

https://www.bookwidgets.com/play/t:Sxql7iLUVi-whTCbibYE5nH-CFsTB_tWQkuMtAizNtBNUFpUUVQ=

Bordspel: https://www.bookwidgets.com/play/t:18-5oh4lgtblva0a0nUMz6PIWTCOWZIm_TjqUwTOfmNYVUFGWDg=

Video:

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l=

Hypothese: <https://www.bookwidgets.com/play/t:VqtwmCR-FI2-zOZ9c9MnhPFmYple9oq641v2x2JWLp9UUzJSVEc=>

Waarnemingen:

<https://www.bookwidgets.com/play/t:rLKwnRq5YELs4snHVA0JlbrlzVeiZEuyBDKnZdrjXIM0UzNTNfU>
≡

Oefeningen: https://www.bookwidgets.com/play/t:-8dfafPTXxBIB3rCSrzO1_oQN_-7pey_oDxQ-7K01pM0UUhANdk=

Mindmap na: <https://www.bookwidgets.com/play/t:PeILVAwO5vN-4k6ZXX3pQ2vQsaMA3-cdmX2fCcDCuWJMUjZSTFQ=>

Mindmap voor: <https://www.bookwidgets.com/play/t:fVXQsEVFi1SHiVKkjTi4CvupkJMr-BQWaHuLk7bXZRg0UFpUQVM=>

Reactievergelijkingen stappenplan:

<https://www.bookwidgets.com/play/t:1fk37uVJJe2zmO6xSnSQ19qlAvGn0-nN859sSbsibvtDUk42Q0U=>

Reactievergelijking voorstellen:

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Planner:

<https://www.bookwidgets.com/play/t:VADvMabGQVve370zIzbqgVpNXkFZuxwQrFMmVlpMcU5OUk1DTk0=>

Les-evaluatie:

https://www.bookwidgets.com/play/t:ekg0br3Mn9JBB0492b_EIZIGftU_jVHa1gjuivQgvc4UktXOFo=

Toets:

<https://www.bookwidgets.com/play/t:3ehVXflUgqPjq5w9WdxR4bnopTqNonX5cSrpNZRCfe9BUk1RQVo=>

Balanceren van reacties1:

https://www.bookwidgets.com/play/t:_Hs3SBo5KxDRT5AvxX22VTVHCZv11IhvXSXtAjZrPCAYUVpSMjU=

Balanceren van chemische reacties: <https://www.bookwidgets.com/play/t:qEghlTh3rP3NY1kGurWq9G-k-c6ETyc3YN2r6CLJx-1GUVhKRkw=>

Herhaling: wet van constante massaverhouding:

<https://www.bookwidgets.com/play/t:2kWajMuua95hhj2TfXn-Jxq2ko2BujN3P9T4TbZDJ5BGUE01R0I=>

Begrippen: <https://www.bookwidgets.com/play/t:oQ2g5N72-EpYq73h0kCYYImxVDKKJpDnyUX59iZuRXdVUVJIVVo=>

Simulatie reactievergelijking:

https://www.bookwidgets.com/play/t:FWMQ3PbSnRim3VWk0MamDkfa1Yfr34jFJ_i9sXWDK69KUDVFTjk=

Memory reactievergelijking:

<https://www.bookwidgets.com/play/t:g6Pg2lXuAJXoGBFARdn6ddCsbW4nd8d65UEmrn8y5uxRUFpIQ0U=>

Les8: Atoommodellen

webquest: https://www.bookwidgets.com/play/t:_xyIbaHnaqSx94vnd3XRdwAbcVUIUptq222KAOD0QLVXUDNUUEg=

Herhaling:

<https://www.bookwidgets.com/play/t:r4WYaQ6elzIH8xEG1IVmqOlz8FKZZEauMHrm9idQTmRVUkJEVUo=>

https://www.bookwidgets.com/play/t:-G8zFPuljyfxJFdFMlJf3LIW_FJd-v-t_DdFJn2nfTdQUVgyUEw=

Aanknoping:

<https://www.bookwidgets.com/play/t:tOnpj2YDgsSeCqFePUu8W4Ge5UCPR1osDbtl-UKZXUA0UzJDNEI=>

<https://www.bookwidgets.com/play/t:2-D-4huKE783AxuKI8Aa-ld5C8isdIvoK4bg311Oho45UzNEOVg=>

<https://www.bookwidgets.com/play/t:8CvkYM1RlXkktlGmGHKE4F5AdE0gf52IGF3Z22fu3XgzUDNTTEc=>

Onderzoeksvraag:

https://www.bookwidgets.com/play/t:uCiy5bbxtErMdtY7Nvl8Jq0QMzc_0SpWau62Qd3UGfVWU1pFVIE=

De geschiedenis van het atoommodel:

<https://www.bookwidgets.com/play/t:pWpbrGcBPWV-uxvvNPf0DtHe-mIwazATWaoyrt2MAuszUzI5M0c=>

Atoommodel volgens Dalton:

<https://www.bookwidgets.com/play/t:VBvg6yg4jKithOst6ch9bEWZzibrMrVWI3LS0CPwHYxGUzRRRjc=>

<https://www.bookwidgets.com/play/t:KaOv4BspwBbDghVXHnMbOOc33h0XZqcmq43OUKCtzO5BUFhMOFg=>

Wrijvingsexperiment:

https://www.bookwidgets.com/play/t:9 GD_05NsArlq7Yv5765ZJ6deu2NveY9bMSD8P1BTohWUzJWVjg=

<https://www.bookwidgets.com/play/t:RMMviMY2DZ98y2tL2bVg5JLmL2MqxpHCJVwrbPIUU-5KUFZVUVo=>

<https://www.bookwidgets.com/play/t:653DIzZzwW9urNBxc5rhmiihTeyCYXTPCh2vYB5R4gM1UFZVOVY=>

<https://www.bookwidgets.com/play/t:kauL7tIRVnHX0WvezA2ca2MO9CnRc6xwJTY72732-Xs3UFZWUkE=>

<https://www.bookwidgets.com/play/t:kHZca1keNRaLuZQ98U95MPagAdYJeVbI7QmHBMqz5-IHUFY2UIE=>

Atoommodel volgens Thomson:

<https://www.bookwidgets.com/play/t:vFbmemQb3NN0VBrFZYy-oPp1nJmYb2y3Qp1XRc8dsgplUzNOSDY=>

<https://www.bookwidgets.com/play/t:K3SpirK33HvkVA3qmYnV6sugKqXPEZI4WAjzwUmHrv83UFY5VIM=>

https://www.bookwidgets.com/play/t:4vICOCiLzQJLJ5xgCEWBi2ia8mp1I1mMqncxxVuy_LFLUFNHUKU=

Atoommodel volgens Rutherford:

<https://www.bookwidgets.com/play/t:RITEzj6TNXIISa7E7G7fNv-4fieJekDtGY6KejSAEBLUzZWS1E=>

https://www.bookwidgets.com/play/t:9VkbnM62rp1ydwGe-5tVzvJVkM_DxVXCiEn2d0YUs11VUFdKREI=

<https://www.bookwidgets.com/play/t:gVMvN4Hm0DcQzRH5Lnj21Py-hwILM32roSiivz6Ai5HUFNHNzM=>

Aanvulling atoommodel van Rutherford:

https://www.bookwidgets.com/play/t:OOkKTSlyusBJY8gipBTum1w5FA5d1N5qpihDAo8_W4FIVEE2SEU=

Atoommodel volgens Bohr:

<https://www.bookwidgets.com/play/t:Z4TLI->

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https://www.bookwidgets.com/play/t:hUJBoYnCUh-1RCKdJ0h5CkjqbRjPHB_7keozKL7jtl1DUFk1TIY=

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Les13 Atoom- en metaalbindingen

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Les2 : De zuren en basen

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<https://www.bookwidgets.com/play/t:6c6SJAu77R789Cqt4xphn8hJZvL5fAiOWdBNAOPXkKU3VFA4N0s=>

https://www.bookwidgets.com/play/t:U9APFy2aQ0wOMU4puMP4T_-rc8hgZq7a10z7IuPN_IYVFBWWEU=

Algemene widget

https://www.bookwidgets.com/play/8TNA8G?teacher_id=6277390676262912

Alle andere linken:

https://www.bookwidgets.com/play/MTNHMF?teacher_id=6277390676262912

https://www.bookwidgets.com/play/ETJPET?teacher_id=6277390676262912

https://www.bookwidgets.com/play/WTQKWR?teacher_id=6277390676262912

https://www.bookwidgets.com/play/LTM5LW?teacher_id=6277390676262912

https://www.bookwidgets.com/play/BTPVBN?teacher_id=6277390676262912

https://www.bookwidgets.com/play/BTSSBN?teacher_id=6277390676262912

https://www.bookwidgets.com/play/CTQLCU?teacher_id=6277390676262912

https://www.bookwidgets.com/play/FTTPFG?teacher_id=6277390676262912

https://www.bookwidgets.com/play/DTN4DC?teacher_id=6277390676262912

https://www.bookwidgets.com/play/ATVBA4?teacher_id=6277390676262912

https://www.bookwidgets.com/play/STRLSX?teacher_id=6277390676262912

https://www.bookwidgets.com/play/STRLSX?teacher_id=6277390676262912

https://www.bookwidgets.com/play/7TPV7W?teacher_id=6277390676262912

https://www.bookwidgets.com/play/ZTRWZ7?teacher_id=6277390676262912

https://www.bookwidgets.com/play/7TP87K?teacher_id=6277390676262912

https://www.bookwidgets.com/play/XTPVXE?teacher_id=6277390676262912

Les5: De oxiden

WEBQUEST OXIDE:

Lin: https://www.bookwidgets.com/play/6SBT6F?teacher_id=5507229200416768

Lkr:

https://www.bookwidgets.com/play/t:YllxTMHgiNfjcSyax7SO2hslhH_ZBSKDFGUKWgpVPzo2U0JUNKY=

Aparte widgets in volgorde

- 1) Flashkaarten herhaling:

https://www.bookwidgets.com/play/t:Xx_BeW1Qysi0Dts4qs2vAymxINpJA55lviaZZh3QDkdGUUxBRjc=

- 2) Herhalingsoefeningen:

https://www.bookwidgets.com/play/t:5SSxjvB5g0RCKMDG9nBC0OUbsgW4_joybzMZwpCx-O1CUUszQIA=

- 3) Mindmap 1: <https://www.bookwidgets.com/play/t:Y-cvamR5xH7QhajwQI7eg4DFKQ26BVmAqRdtolKnKNhEUUs3REY=>

- 4) Verwondering: Co-vergiftiging

<https://youtu.be/h2tw7xDN10A>

- 5) Fotoreeks: https://www.bookwidgets.com/play/t:9-ofXyksLpjk-v_LQoQMIR5zpyMYtftMQSYU_HOt5HpEUktRRFY=

6) Kaltura: oxide

<https://youtu.be/FvLPr21k7H4>

7) Nieuwe begrippen: flashkaarten:

<https://www.bookwidgets.com/play/t:liwe1sXx7BjM1i6nh03fu7uRjdGAQTc2-vhhcJBnb-BGUjYRIU=>

8) Mindmap 2:

<https://www.bookwidgets.com/play/t:ekwF1dGRst45RYezLzzmYrdcl31D3LS4fuxMZurS5T1ZUjk0WU0=>

9) Stappenplannen:

- a. [Formulevorming: oxide van een element](#)
- b. [Formule -> Systematische naam](#)
- c. [Systematische naam -> formule](#)

10) Oefeningen

- 1) [OG in oxiden](#)
- 2) [MO of nMO](#)
- 3) [Verbind systematische naam met brutoformule](#)
- 4) [Brutoformule -> systematische naam](#)
- 5) [Systematische naam -> brutoformule](#)
- 6) [Toepassingen oxiden](#)
- 7) [Juist/fout](#)
- 8) [Oxiden vormen](#)
- 9) [Begrippenquiz](#)

11) Kruiswoordraadsel:

https://www.bookwidgets.com/play/9SFH9F?teacher_id=5507229200416768

12) Woordzoeker:

https://www.bookwidgets.com/play/t:H_04YkfMW6HMd4myl8c7Y_ZiQMPuqHogzbDC8vr-bvtZUOZRWVM=

13) Toets:

<https://www.bookwidgets.com/play/t:l4OKnW6d9HwL318y-Y39Pg6c55kVQPPxeYPyXH4P-bc3U000N1M=>

Les6: De zouten

Link webquest leerkrachtenversie:

<https://www.bookwidgets.com/play/t:MUlwg2hXO5jdf2CqleHmMqj7UOs5ZVzry9BkaS-jSOYzUUtUM0Y=>

link leerkrachtenversie van alle gemaakte bookwidgets

<https://www.bookwidgets.com/play/t: XkBLN1DAOP344ZtmizC6op4PHwDTcc UgyaLERWINE0VEJH NFY=>

<https://www.bookwidgets.com/play/t:29x-1QT7PNye4lx3n6AocGXBg2uOybN3ChSpKDwssd9IVEFaSEs=>

<https://www.bookwidgets.com/play/t:tLqqrEKafZV5NeN11RFySI7oImAchwXqX0H5R8q7879HUzRKRO l=>

<https://www.bookwidgets.com/play/t:FVWu6Qv5iMYY4phc9hLGy-eoorjTkvAQ-Q0vvGT9rytaU01XWkM=>

<https://www.bookwidgets.com/play/t:MgE4c9J9tT31ukjUNvf6ly118UGS3HpC4Hosh60dD7FSU0pLUk E=>

<https://www.bookwidgets.com/play/t:QuPRcMybQTL22JitGOJqAQhpMXSfMgCLvkcol7sRMylCU0tQQ lo=>

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<https://www.bookwidgets.com/play/t:3lq6TrvZu aXnx9LLckTA5MFuAzA tTATJZMzk7rQHpOUjgzTkl =>

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<https://www.bookwidgets.com/play/t:HGZ4BeLCSwHXK2rT 890eiGpfiEeUICFBO xB35V4ypYUkw3W Dk=>

<https://www.bookwidgets.com/play/t:6WsMm-ZMgl-jEZg-UHPiHVz48Cf8o6gqvWrpMPBd2 w3UjRZN0c=>

<https://www.bookwidgets.com/play/t:f5l5R6-VxvOt 2klk1fUmKNMi0t1DTFpnVC51NA8V7haUIA0WjU=>

<https://www.bookwidgets.com/play/t: PyapFaKWKq3VjETyRvMHD2kiXivu5n3Nm2xyXWU6KZMUTQ zTEw=>

<https://www.bookwidgets.com/play/t:MwrdXWQc4w-rJ74eL326rpmVIBk1les9rLTHhgBZcypHUVpWRzU=>

<https://www.bookwidgets.com/play/t:ngfJ7939LUWIGyuoKOijKfTrU4AWliAV7B5gllCI-io3UVhENzk=>

<https://www.bookwidgets.com/play/t:VSh91fOnBjSPMCYShz-zQ6X09RCDj9fXWGZB-Yz3KIM2UVdVNIY=>

<https://www.bookwidgets.com/play/t:S pDR4gVqLISzfrXe1tp1xIMOt2UiPI2klhnVRiaFfJYUUtGWDM=>

link filmfragmenten

<https://www.youtube.com/watch?v= 6tJtgN0HMQ>

<https://www.youtube.com/watch?v=7IPXI9eb30w&t=34s>

Les7: Samenhang anorganische stoffen

1. Lerarenlink gehele webquest Bookwidgets

https://www.bookwidgets.com/play/t:Br1YEmoIuB2uiBIMB6nM8OkKf2qEs_WCW_CII7n8OoAY0VFE2NFM=

2. Lerarenlinken onderdelen webquest Bookwidgets

1. 'Even afstoffen'

'Even Afstoffen'

https://www.bookwidgets.com/play/t:-WRR3G7WDytkkFI7iUOar7R2D9vU_7iaBixraBc8SFBYUkgzWEc=

Mindmap

<https://www.bookwidgets.com/play/t:Z4DrgBghAMx2-2roQKithRj1VSzfo00XIXQ4CNrbMmdSUK1EUkU=>

2. Inleiding

https://www.bookwidgets.com/play/t:eLWnblf9VGEMMO2tO5Cus3RXXb7GVrTevO_8KOJVoiBRUIBTUVo=

3. Theorievorming

Theorievorming

<https://www.bookwidgets.com/play/t:6Tn7yC6uVNH2QpzAri0Xhjik8I0wFtYcpM8EozkFTLINUIJaTVc=>

Samenvatting

https://www.bookwidgets.com/play/t:nbq3JRgvMHZA9pGfQZ5TE9x_gQKJxaoBSZGwtaksLhszVUJUM0s=

4. Labo

Gehele webquest met drie experimenten

https://www.bookwidgets.com/play/t:Br1YEmoIuB2uiBIMB6nM8OkKf2qEs_WCW_CII7n8OoAY0VFE2NFM=

Experiment 1 Uitleg

<https://www.bookwidgets.com/play/t:jcCp2yjcdQnzKKkeAu0C5zEB83lmr9Ek3NFQM2tLOH9SVU1KUjY=>

Experiment 1 Poster

<https://www.bookwidgets.com/play/t:IGW8KR7MBLR7Uw-kf671VcaFUwGs-tJ9CzYNIyGyitBNVVFRTTU=>

Experiment 1 Checklist

https://www.bookwidgets.com/play/t:PzrxIdR_ACOTOjJFyTIWDIF_CtQlrppgMMm_xk0IAQIIEVU5UREw=

Experiment 1 Werkblad

https://www.bookwidgets.com/play/t:bGtiPLIJZF9wnmHmW9QYdhXjEc4VLQcVZs_ZG5Ta1aOhVVVFTVU0=

Experiment 2 Uitleg

<https://www.bookwidgets.com/play/t:JNNKF2CcjdsfccK7LfnCqu8Pk-GoGJAGUaxFJAYGFgZWVU1GVlo=>

Experiment 2 Poster

<https://www.bookwidgets.com/play/t:wFxFAFdEWeTP6S4I9e51TMr1i13NDEx4HS7dUE80rUNUVU1XVE4=>

Experiment 2 Checklist

https://www.bookwidgets.com/play/t:pKpjYbChpRZYkO84_UCzZpFMX0wdqhi8McsZRk2T6ZpOVVM0Tk0=

Experiment 2 Werkblad

<https://www.bookwidgets.com/play/t:tdXdCEka5SfgHuaC-yP7Q18Jj8coDXARV1B6pamgzbBCVVI0QkM=>

Experiment 3 Uitleg

https://www.bookwidgets.com/play/t:x8XmGKVtag-Bhy2O29TQh_tqLnmWfBSI9y5CgXUusdVMVVBXTDI=

Experiment 3 Poster

<https://www.bookwidgets.com/play/t:mpMIpbaV4cMkHxf37QXJ60WgzGWyus8h-Mi9gxudg4I3VUw1N1E=>

Experiment 3 Checklist

https://www.bookwidgets.com/play/t:1_QiGpyauCMTXxoIjismXWyrQMcPoifINMjqFAI8Oqo1TVVBKUzI=

Experiment 3 Werkblad

<https://www.bookwidgets.com/play/t:3FuXqzYIIAEIHD0VN0ecOhc73-E7FCKo06CE3aFHj45QVUw0UFI=>

Les 8: Alcoholen en alkanen

Link webquest:

https://www.bookwidgets.com/play/t:eUmPN-CDKur42zlor91KVfP_8hs4q3njcWg9Q-gHpVc3UUM0U0o=

Link Bookwidgets die in de webquest staan:

https://www.bookwidgets.com/play/t:mPirfvGVAZ_8bOPK8kGfRdtFot7qRXkhxZzdnYz2ZadaUVIXWjM=

<https://www.bookwidgets.com/play/t:Zqr2xK1Q9h8eIYrkw0UGUBymdS4D23WLSHmriI8f5E45UURFR Eo=>

<https://www.bookwidgets.com/play/t:oMf6KQQFlwsCdvuVHf1T89ifeA8aulj2yKEN4q7otVQVEJYUDg E=>

https://www.bookwidgets.com/play/t:qvKF0D50_KoeqdWKpcofsacVwWERNQ9ruK1-L1PO4qxEUUDySFg=

https://www.bookwidgets.com/play/t:KjQNckEcY_artqn27uK5-lwG01AUqXjsHHo65OMEKLFUURITTI=

https://www.bookwidgets.com/play/t:Q2sXJil_plt4kmN21um-mtY_RqCZdiSnBqUydWjfmnRZUUhMWVc=

https://www.bookwidgets.com/play/t:5voyxkul4PfeY5BxEMEMcuOoJ5_vFWkEH66zgHLcMjk0UUHFN FU=

https://www.bookwidgets.com/play/t:q02ri_z5OHPPrZwsRcj5dh_oZysbkfbz-1oL5iCVFutVUU1ZVU4=

https://www.bookwidgets.com/play/t:U-Zi6IYaHL5uzmMCUuT4boMOAf1Q6oeDlog_4ApysIo5UUuUOTU=

https://www.bookwidgets.com/play/t:spB5VaH5Bpqo-7KKfgz63xFt3rAYVdn2ELUPUZ_LZE5OUVdSTIk=

https://www.bookwidgets.com/play/t:LLkaoz-xnDs5rHFLusNZa4awEl3lcPTVJ_jlbAyFht5YUUVdFWFI=

<https://www.bookwidgets.com/play/t:LpwFmYycEyLHbc6vJhYWaqUnZ-9o1KsBNihvopEpqqM4UVIHODM=>

<https://www.bookwidgets.com/play/t:zaLRUAq2b5g-TCzD8ST87jlqgB400z7-HQIt1clEeuJRuUHLUUY=>

<https://www.bookwidgets.com/play/t:wLbJSiwaEY8NuQJYPB-Jc5TSeM9yuuF126-qEPj3PQ4UUhGOEs=>

<https://www.bookwidgets.com/play/t:piH8iRvx-dw3FkmIKoN6NGgV6qNLnlvVXpdfP3weqitRUVhZUUw=>

https://www.bookwidgets.com/play/t:arrq4R0Nk_vL4V0fn58Sw_zPx96_8g9aj_lhA4PM3YyUVpFMk C=

https://www.bookwidgets.com/play/t:Uo_XF5UgYmigoJBieYo6LJAp0Bamw8_kgGq-xNGKFgg5UVhEOTU=

<https://www.bookwidgets.com/play/t:UeYdvOsGNW3J3mT4f4OMhstfPRSJGriTrAubffHjisk5UU0yOVM=>

<https://www.bookwidgets.com/play/t:eMJu4TLCEi2UrGFDwiu6vLIYrlywYlaCXdiEuIFVcw5UU1XOVc=>

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<https://www.bookwidgets.com/play/t:FzgT-uGjhAFYqoqaq65Mx4eZ7hS-GILC67w1sC8gUDhGUUM4S0Q=>

<https://www.bookwidgets.com/play/t:wZGIboYkC1IXNw8cMD3DEIKkVeUBtu2XABJtYffMce9YUUM1Wko=>

https://www.bookwidgets.com/play/t:kBYShbWCKGr2E7NKNIIVMXfjPcS4uTm2_v4E7PQFcpIUUNIRTc=

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https://www.bookwidgets.com/play/t:onVBC2U8xlWXKtc4C47BOoFgAU8SPkAVpsXEk_Wu26RLUVdWSzl=

Link filmfragmenten youtube:

<https://youtu.be/WOZ4sD6OwyQ>

<https://youtu.be/Rq2ZiKtIGIo>

<https://www.youtube.com/watch?v=KRqZR4vv1hg&t=8s>

Les 9 Carbonzuren

Toets alcoholen:

https://www.bookwidgets.com/play/t:PqBtKLB6UFatvVJ6BPumBsWXdwuCORyT_V44eVi5LSRLVEc0Szy=

Alcoholen synthese:

https://www.bookwidgets.com/play/t:IM8eRCIx9QwwaPKjbuq6QsoEaq_bT1DZ1mmCrPCIsYZOVEw0TIU=

Taak alcoholen:

<https://www.bookwidgets.com/play/t:bEeF2eKVLSpjEDF5f06MWpJDG9nVYz7N6hNneHi7f6RUVEdLVDC=>

Video ethanol: <https://www.bookwidgets.com/play/t:5bXk4b9B-KX7-Q0mxiP8dJmrTE5AMJRw9g5BqDZEuhIOVEtRNEQ=>

Theorie ethanol: <https://www.bookwidgets.com/play/t:HwRnzCSVvi0o9dNL-GBurFyYhsCAsylCgcFuvvzKKzdaVEg4WjU=>

Video methanol:

<https://www.bookwidgets.com/play/t:2D9cr7XAKfAsUk33JaSBYegcNq7fUfsfRia2A3k8QPpTVEhUU1k>
≡

Theorie methanol:

https://www.bookwidgets.com/play/t:ySTDrzJufmL_MSXL7dSt5OPZSk6Ru3dRDLu5Va8CBQFIVEhTSEs
≡

Theorie alcoholen: https://www.bookwidgets.com/play/t:R-_ld08h7_hX1N7fWLbmy8l0JCCc7rjh-3NY15LpidZaVEg2Wjc=

Video alcoholen: <https://www.bookwidgets.com/play/t:iEXLtNnsDJ4d2Cpse5qOntBNtyskefsg-X0hMA8TZgBEVEY5REU=>

Verwondering alcoholen:

https://www.bookwidgets.com/play/t:ujBgBHPttTwHN8fk97vOGDuCs1cjJmiJrJKBC_Vp6s3VEZCN1E=

Alcoholen Even afstoffen test:

<https://www.bookwidgets.com/play/t:jACH1B4N0lZTGaxdyKhHJFTNn2KXtzB0vHaiQCTUEgdTVEhSUzl>
≡

Alcoholen Even afstoffen mindmap:

https://www.bookwidgets.com/play/t:ldRrz6M_tIXd78JNj_iABOGj9sD9-cmuw93gMOGRmFZIVehSSEw=

Alcoholen Even afstoffen definitities:

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Toets carbonzuren: https://www.bookwidgets.com/play/t:ZrLI_8-yBYANLLVR3IKi0X5pnMSGNtdl4s0VjvfmiJaVEpKWIM=

Taak carbonzuren:

https://www.bookwidgets.com/play/t:Qm7AcDSR1em8pKWQJManZjZBkMMbv2wmxqw0PUAwMV_CVExTQIU=

Video ethaanzuur: <https://www.bookwidgets.com/play/t:s0X9bX4WmuJ-TNzOglGCzqhxLcyzjq-ezbl45Kc1qEZFEVNRVo=>

Theorie ethaanzuur: <https://www.bookwidgets.com/play/t:dn4dl1ck-nK0XcNgaraMetJvkPjA0K1pDaNootSPi9xGVExLRlQ=>

Video methaanzuur:

https://www.bookwidgets.com/play/t:gebUMR3tv5swlQRnLKGrr_EvNICtsLLYqvfPDDBPpt04VEtBOEs
≡

Theorie methaanzuur:

<https://www.bookwidgets.com/play/t:UfIYglsIRELPjtSFMtGBy6wT9LzRKSrkPhkkDePXw0M0VEtZNDU>
≡

Video Carbonsuren: <https://www.bookwidgets.com/play/t:uatZ-rSAU0pOaSc1KTdUCmOJKU8rN6NA2kiAQZuWZbozVEg4M1o=>

Mindmap carbonsuren synthese: https://www.bookwidgets.com/play/t:L4Bl-6Di5TU_ani7Og7ex2UB7LRZAVINeOVhRw67yolDVEgyQ00=

Theorie carbonsuren:

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Verwondering carbonsuren:

https://www.bookwidgets.com/play/t:129wbOZS4x2zYWtSWaY9uvlDoH91S6F-IBcc_wrYnVGVExFRlk=

Mindmap carbonsuren even afstoffen:

<https://www.bookwidgets.com/play/t:63LdyhZRZ1R01AW6XGX5iIZsa6uA7SqULjEQVFarM6JSVEhUUjI E=>

Test carbonsuren even afstoffen: https://www.bookwidgets.com/play/t:-Oy2SwgPvyWsXrv9u04XwAzsGt5_td3RcxJNaHcjo3VEZLN0c=

Carbonsuren even afstoffen definities:

https://www.bookwidgets.com/play/t:mW_ejPDxY4Tbb88nurovuE4dnd3NKL5vgYTjMgsuw-w0VEtWNDg=

Alcoholen:

https://www.bookwidgets.com/play/t:oUaXhmpGzPmHBeJWupBLpCOEUv3booKE_JyBTP4A8w1RVE1 EUUU=

Carbonsuren:

<https://www.bookwidgets.com/play/t:e16hOoXx6Gxpu4IPXF0Wu22OIKDvwbQtzCpdl1HCuJM1VEtIN Uo=>

Begrippen carbonsuren chemieleerkracht:

https://www.bookwidgets.com/play/t:yKTnVwH0tBp8qO_a80aMVgOj529Q8D8g8BYQAJvRT-RYVjRHWEM=

Begrippen alcoholen chemieleerkracht: https://www.bookwidgets.com/play/t:SM1-XwUYISG_IU0VNEVnoQhJzb5byAQlwCk_YoK8Qj5QVjNYUEU=

Labo onderzoeksvraag: <https://www.bookwidgets.com/play/t:Y65BiAf6qZ-QptIRg2mlHPsgtX84xRk-ORFFsrJoy9UzVjZDMzY=>

Labo werkwijze: https://www.bookwidgets.com/play/t:Ks0_q8beGETiA_UaRKv3tXQYps8M7eLVHF4-qjx2a_JZVjZSWVg=

Labo waarnemingen:

<https://www.bookwidgets.com/play/t:7V3hK6LWpZB85EHL6tXzLyfCgPui95Aca9cx5cNdvxtQVjNFUFg E=>

Labo veiligheid: <https://www.bookwidgets.com/play/t:CBVifDoDST0dSI0YCrAaF8DZspA4g-4t8r81zlhGZJhOVjdTTkg=>

Labo materiaal:

<https://www.bookwidgets.com/play/t:nqfi410FgtESKljjRgsWjGrgkWU2TfPLX7d8753WYxNTVjZVUzg=>

Labo doel en organisatie:

<https://www.bookwidgets.com/play/t:2LzljA7md7LbhqDlpE14HCa2ZmbEYzC3EzBH158fmRRKVjhRSIM=>

Alcoholen lesplanner: https://www.bookwidgets.com/play/t:XGWFtq-s0qQB2fntZT-P-TblAdVvSlymcq_ercO95VVORFVUE=

Alcoholen les-evaluatie: https://www.bookwidgets.com/play/t:ecp6B2X3wl3cmMBiz-Dwf3t7Vj6baCJzsre_vcRei3xTV0FKU0Q=

Alcoholen extra info kater: https://www.bookwidgets.com/play/t:AZvuQF4_-cfRhWUKq44-Y3ESbOWgczF8J1slGoIK6QoyV0JCMjM=

Alcoholen spel gebeurteniskaarten: https://www.bookwidgets.com/play/t:cfLh-c8J5gMcYtN3Er8KIPryFQ_N1RZkUD8W3gQPqdtSVjdKUks=

Alcoholen spel vragen:

https://www.bookwidgets.com/play/t:aSmrwUbHvlz0v0Z3HE6i1eKAmszB7812roXnTj_qjcE1VONSNUU=

Alcoholen spel bord: <https://www.bookwidgets.com/play/t:D0q8TfB59Tf1cGpem4nzyyb-zrth4tsZoMtlal2FdUhZVjhQWVg=>

Alcoholen spel spelregels: https://www.bookwidgets.com/play/t:YBEv6nAZw-nb7moSteswAKAsQZS4FemA_3Xr7C6fqy9BV0JIQUQ=

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Alcoholen memory:

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Alcoholen flashkaarten met definities: https://www.bookwidgets.com/play/t:H5BhR-Pkwp-wRLGYXm-bnxXevn7HN3aLI_Yk4zJBCitaVkZGWlc=

Alcoholen schema na theorie:

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Alcoholen schema even afstoffen:

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Carbonzuren lesplanner: <https://www.bookwidgets.com/play/t:wsrkWBCt8Lx5VJfu4ij-N-DQ0I78kGCPEIyhBfNxFLJFVjRBRUw=>

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Carbonzuren extra info aspirine:

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Carbonzuren spel vragen:

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Les10 Water, oplosbaarheid,

Webquest: <https://www.bookwidgets.com/play/t:4dli1Cthy-rDIgbOcfFevzQ49enkUnSGOaFpbtYEChxKvEXGSII=>

Bookwidgets:

Simulatie

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Context

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Evaluatie werkvorm

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Youtubevideo bij simulatie: <https://youtu.be/bnlk4ExFBJs>

Webquest:

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Andere geïntegreerde bookwidgets:

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≡

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≡

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https://www.bookwidgets.com/play/t:6yOOF9F3HBPAQ76ThmCckjFQLsCp_Ahi7DaoG_W_IIEzU1g0M1E=

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≡

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≡

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Les11 Elektrolyten

Leerkrachtenlinks bookwidgets

Even afstoffen:

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Mindmap 1:

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Mindmap 1 foto: <https://www.bookwidgets.com/play/t:foFtODD8IANDIHvA-ijtIgmW84SUNolJtXr1sZOd1dVVFJRVVA=>

Verwondering:

https://www.bookwidgets.com/play/t:OcTh1EOoxfgajhxRnEluq4jMpApttHv_5rRgOHGHU8tXVFNEV1Y=

Verwondering punt 2: <https://www.bookwidgets.com/play/t:JycephICv-k9JxgKBi2kHizWxqymTsORpMtISFeE2HVGvFRMRks=>

Deel 1 theorie:

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Deel 2 theorie:

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Deel 1 mindmap:

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Deel 2 mindmap: <https://www.bookwidgets.com/play/t:ifiEOIHKJmT-YoPxHQRs1CYpsrZZPFqgGqqRN2gf1vFXVFNTV0c=>

Deel 1 mindmap foto:

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Deel 2 mindmap foto: <https://www.bookwidgets.com/play/t:05ItKvZT-ltixTCqeVMEBcO8w5AuOLsliAkfgGF-zS9UVFFSVFI=>

Oefeningen: https://www.bookwidgets.com/play/t:tKb3lu0xXutAV_ybf0rnbUI37djZCeDoW-gOd0YB3pdBVFZHQVg=

Toets: https://www.bookwidgets.com/play/t:GyTn-Yz_-aV-UR2G9OudPm96ho6b8vdsWExlc_YtdTZLVFFDS04=

Webquest: <https://www.bookwidgets.com/play/t:GLYG3eo1C0KQZ85pUmSCEMAJL7ndtxMlInrbc-vnbxBLVFFKS0c=>

Teacher id van al de bookwidgets

Even afstoffen: https://www.bookwidgets.com/play/LTQDLK?teacher_id=4818249097150464

Mindmap: https://www.bookwidgets.com/play/LTQFLH?teacher_id=4818249097150464

Mindmap foto: https://www.bookwidgets.com/play/UTRQUP?teacher_id=4818249097150464

Verwondering: https://www.bookwidgets.com/play/WTSDWV?teacher_id=4818249097150464

Verwondering 2: https://www.bookwidgets.com/play/FTTLFK?teacher_id=4818249097150464

Deel 1 theorie: https://www.bookwidgets.com/play/RTPXRQ?teacher_id=4818249097150464

Deel 2 theorie: https://www.bookwidgets.com/play/BTTDB2?teacher_id=4818249097150464

Mindmap 1: https://www.bookwidgets.com/play/NTTXNS?teacher_id=4818249097150464

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Mindmap 1 foto: https://www.bookwidgets.com/play/CTRBC4?teacher_id=4818249097150464

Mindmap 2 foto: https://www.bookwidgets.com/play/TTQRTR?teacher_id=4818249097150464

Oefenen: https://www.bookwidgets.com/play/ATVGAX?teacher_id=4818249097150464

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Les12 Neerslag- en gasontwikkelingsreacties

Planner:

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Herhaling:

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Leerinhoud:

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Foto's : <https://www.bookwidgets.com/play/t:qC5H7taFyabVLu992W3SgsuDWGRQyv8VgqB30xPt-fFKVEpRSko=>

Video: <https://www.bookwidgets.com/play/t:RFbdS7-F9CgreJjMISY2JaXiTGb7dwOrdJTzj04ehcJVVEZQVTI=>

Hypothese: <https://www.bookwidgets.com/play/t:ty1Y7ThZMIbjixuTRasfU-INIsxElph66ExeCTurhH5LVEZYS0M=>

Instructie:

<https://www.bookwidgets.com/play/t:vasCp744BBwtWc2FlzAxBJGmvC1juIhzjS4fJ07OND83V0NBN1I>
=

Benodigdheden:

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Werkwijze:

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Waarneming:

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Besluit: https://www.bookwidgets.com/play/t:pTVOSWdFccLvpkubQh947ldY7_1Gkxtl1NOumU-qsw80VEs3NFc=

Benodigdheden: https://www.bookwidgets.com/play/t:LLdLLXZyFWHzgxD-Cr940Uv_VQUFJJVG7gX9D8NoRJYVEJKWDU=

Werkwijze:

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Waarneming:

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Besluit:

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Omzetting:

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Samenvatting :

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Notatie:

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Kruiswoordraadsel:

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Memory:

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Toets: <https://www.bookwidgets.com/play/t:-tI6PUADW608FzioB38EEoA-mDSPmOtuj1k4ull-jsxWVEgyVks=>

Les 13 Redoxreacties en neutralisatiereacties

Webquest:

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Aparte bookwidgets

Planner:

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Herhaling:

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Verwondering:

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Context:

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≡

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Digitale spellen:

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https://www.bookwidgets.com/play/t:V5KTXncxj_-VLww-xY-4pmDC1bq1-nOpeLtrIA0Q-91aVVVSWjg=

Aparte links bordspel:

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<https://www.bookwidgets.com/play/t:aWP0c12M80sJ586KZGKvDLM0vwWp2kn5tYImDSo0pApSVktI Ujg=>

Webquest bordspel:

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* Interactieve video's:

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https://www.bookwidgets.com/play/t:wLqqj_aa8R92G8gXd5Fzxcpp_lc9eyH8cmU28zrEVVtLWEZaSzy

≡

* Toepassingen:

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https://www.bookwidgets.com/play/t:2vrbxXgPQ_12zr38W4KEDGKW4DyqOBWT0buly4OKkv1aWEc4Wjl=

Test:

<https://www.bookwidgets.com/play/t:BHNF2yzlZKJ1BpHaCzLSKaUpFfDz7MjQ0uKclzmM5wo4VEcyOFc=>

