

Hidrosfeer Memo

November 2018

1.10 C ✓✓

(2)

QUESTION 10/VRAAG 10

- 10.1 Hydrosphere: includes all water of the earth found as liquid water ✓
Hidrosfeer: sluit alle water van die aarde in wat as vloeibare water gevind word
Biosphere: includes all the living organisms. ✓ / Biosfeer: *sluit alle lewende organismes in* (2)
- 10.2.1 (A) Transpiration ✓ / *Transpirasie*
- 10.2.2 (B) Condensation ✓ / *Kondensasie*
- 10.2.3 (C) Precipitation ✓ / *Presipitasie* (3)
- 10.3 (A) Energy gained ✓ / *Energie gewen*
- (B) Energy lost. ✓ / *Energie verloor* (2)
- 10.4 Roots of plants absorb water from the ground. ✓ / *Plantwortels absorbeer water uit die grond.*
Plants release the water to the atmosphere by transpiration. ✓ / *Plante stel water deur transpirasie aan die atmosfeer vry.*
The water condenses to form clouds. ✓ / *Die water kondenseer om wolke te vorm.*
Then water falls back to the ground by precipitation. ✓ / *Water val dan terug grond toe deur presipitasie.* (4)
[11]

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November 2017

1.10 C ✓✓ (2)

QUESTION 9/VRAAG 9

9.1.1 Condensation ✓ /Kondensasie ✓ (1)

9.1.2 Precipitation ✓ /Presipitasie ✓ (1)

9.1.3 Transpiration ✓ /Transpirasie ✓ (1)

9.2 Released✓, energy is released to the surrounding/cooling takes place/particles moves closer together. ✓
Vrygestel✓, energie is vrygestel na die omgewing toe/afkoeling vind plaas/deeltjies beweeg nader aan mekaar. ✓ (2)

9.3 Water absorbs the infrared energy from the sun and re-emits it therefore regulating the climate. ✓✓
Water absorber die infrarooi energie van die son en stel dit weer vry om klimaat te reguleer. ✓✓ (2)

9.4 Drilling of boreholes/Building of dams✓✓
Boorgate te sink/Damme te bou ✓✓
Accept/Aanvaar: Any applicable answer/ *Enige toepaslike antwoord word aanvaar.* (2)
[9]

Hidrosfeer Memo

November 2016

1.10 D ✓✓ (2)

10.3 10.3.1 C ✓ (1)
 10.3.2 D ✓ (1)
 10.3.3 A ✓ (1)

10.4 Precipitation ✓ / Presipitasie (neerslag)
 Evaporation ✓ / Verdamping
 Condensation ✓ / Kondensasie (3)

10.5 Building dams that store drinking water and water for household needs or agriculture.
 Boreholes are used to tap ground water for use.
 Any applicable answer. ✓✓

Bou damme vir drinkwater en huishoudelike gebruik of landbou.

Boorgate word gebruik om grondwater te gebruik.

Enige aanvaarbare antwoord. ✓✓

(2)

[14]

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November 2015

1.1 A ✓✓ (2)

QUESTION 10/VRAAG 10

10.1 All the water of the earth./Al die water van die aarde ✓ (1)

10.2

10.2.1 Evaporation/Verdamping ✓ (1)

10.2.2 Condensation/Kondensasie ✓ (1)

10.2.3 Infiltration/percolation ✓
Infiltrering/Infiltrasie/perkolasie (1)

10.2.4 Rain fall/Precipitation ✓
Reënval/Presipitasie/Neerslag (1)

10.3 Increase in ground water levels./Toename in grondwater vlakke. ✓ (1)

10.4 ANY TWO/ENIGE TWEE:

Storage of water ✓/recreation areas ✓/job creation/irrigation of crops/
attraction of bird life/source of food

*Stoor van water/ontspanningsareas/werkskepping/besproeiing van gewasse/
aantrekking van voëllewe/bron van voedsel*

(2)

[8]