

Energie en Chemiese Verandering

Vrae (1)

Vraag 1

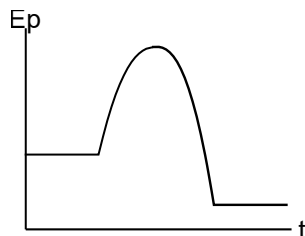
1.1) Die minimum energie benodig deur molekules om te verseker dat 'n reaksie sal plaasvind:

- A) Aktiveringsenergie
- B) Bindingsenergie
- C) Ionisasie energie
- D) Netwerk energie

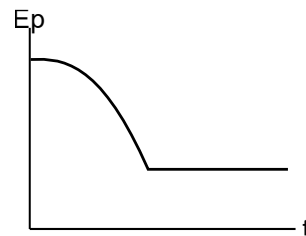
1.2) $2\text{NO}_2(\text{g}) \leftrightarrow \text{N}_2\text{O}_4(\text{g}) \quad \Delta H < 0$

Watter van die volgende grafieke illustreer die Potensiële Energie in die bogenoemde voorwaartse reaksie vergelyking, die beste?

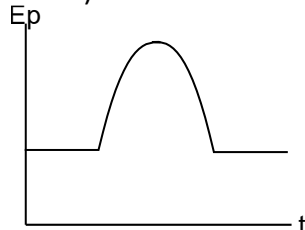
A)



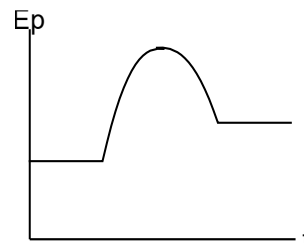
C)



B)

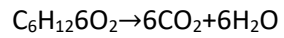
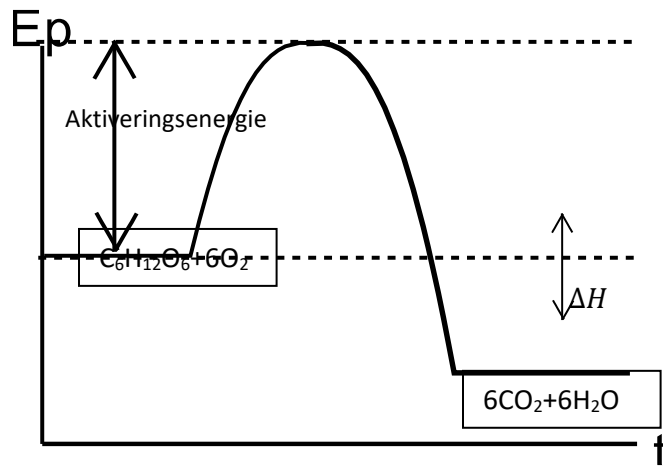


D)



Vraag 2

2.) Die grafiek hier onder wys die proses van sellulêre respirasie. In hierdie proses word glukose afgebreek in koolstofdiksied en water in.



2.1 Stel hierdie grafiek 'n eksotermiese of endotermiese reaksie voor? Verduidelik jou antwoord.