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CAIE A LEVEL Chemistry Topic Questions / 9701

1.4.1-Ionisation-Energy-Equations-set-1-qp

Total Questions: 4

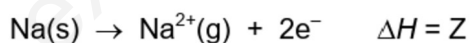
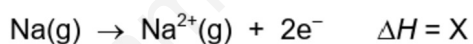
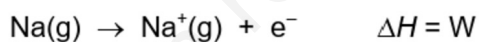
Note:

- For questions with answer choices as statements 1, 2 and 3, follow these instructions for selecting options A/B/C/D:
- A= 1, 2 and 3 are correct
- B=1 and 2 only are correct
- C=2 and 3 only are correct
- D=1 only is correct

Questions

Question 1:

Equations involving four enthalpy changes are shown.

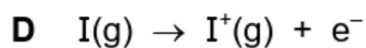
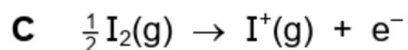
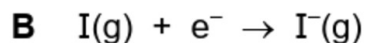
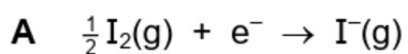


Which equation represents the second ionisation energy of sodium?

- A X B X + Y – W C X – W D Z – W

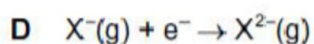
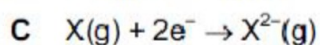
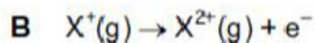
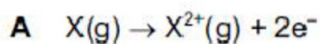
Question 2:

Which equation represents the first ionisation energy of iodine?



Question 3:

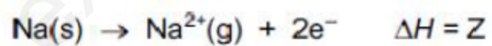
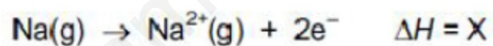
Which equation represents the second ionisation energy of an element X?



Questions (Continued)

Question 4:

Equations involving four enthalpy changes are shown.



What is the second ionisation energy of sodium?

A X

B X – W

C Y – W

D Z – Y