

## Worksheet: Classification of Elements and Periodicity

ISC · Class 11 · Chemistry · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** Which element has the highest electronegativity and why? *[2 marks]*

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**Q2.** Arrange Na, Mg, Al, Si in increasing order of first ionisation enthalpy and justify any anomaly. *[3 marks]*

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**Q3.** Why is the ionic radius of  $\text{Cl}^-$  larger than the atomic radius of Cl? *[2 marks]*

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**Q4.** Explain why boron has a lower first ionisation enthalpy than beryllium. *[3 marks]*

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**Q5.** What is the lanthanoid contraction and one of its consequences? *[3 marks]*

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