



Using Resources **Multiple Choice Questions**

Set 4 (Chemistry Only)

You may use a periodic table to help you answer these questions.

Tick **one** box.

- Which of the following is **not** a method of preventing corrosion?
 - electroplating
 - greasing
 - painting
 - polymerisation
- What is needed for rusting to occur?
 - iron and air only
 - iron and water only
 - iron, air and water
 - iron, air, water and sunlight
- Which statement about alloys is correct?
 - alloys of aluminium have a low density
 - brass and bronze both contain copper
 - steels are alloys of iron
 - all of the above
- 24 carat gold is 100% pure gold metal. What proportion of an 18 carat gold ring is pure gold?
 - 18%
 - 25%
 - 36%
 - 75%
- What determines the properties of a polymer?
 - only the monomer it is made from
 - only the pressure at which it is made
 - only the temperature at which it is made
 - the conditions and the monomer used to make it



6. What type of substance is made of fibres or fragments of one material surrounded by a different material known as a matrix?
- A. ceramics
 - B. composites
 - C. glass
 - D. polymers
7. Which metal is used as a catalyst in the Haber process?
- A. aluminium
 - B. iron
 - C. nickel
 - D. zinc
8. Which element is **not** commonly found in fertilisers?
- A. nickel
 - B. nitrogen
 - C. phosphorus
 - D. potassium
9. Which term best describes NPK fertilisers?
- A. composite
 - B. compound
 - C. formulation
 - D. natural resource
10. Which salt can be produced in reactions of phosphate rock with acids?
- A. calcium nitrate
 - B. calcium phosphate
 - C. calcium sulfate
 - D. all of the above