



Using Resources **Multiple Choice Questions**

Set 4 (Chemistry Only)

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

Tick **one** box.

1. Which of the following is **not** a method of preventing corrosion?
 - A. electroplating ☐
 - B. greasing ☐
 - C. painting ☐
 - D. polymerisation ☐

2. What is needed for rusting to occur?
 - A. iron and air only ☐
 - B. iron and water only ☐
 - C. iron, air and water ☐
 - D. iron, air, water and sunlight ☐

3. Which statement about alloys is correct?
 - A. alloys of aluminium have a low density ☐
 - B. brass and bronze both contain copper ☐
 - C. steels are alloys of iron ☐
 - D. all of the above ☐

4. 24 carat gold is 100% pure gold metal. What proportion of an 18 carat gold ring is pure gold?
 - A. 18% ☐
 - B. 25% ☐
 - C. 36% ☐
 - D. 75% ☐

5. What determines the properties of a polymer?
 - A. only the monomer it is made from ☐
 - B. only the pressure at which it is made ☐
 - C. only the temperature at which it is made ☐
 - D. 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 ☐