

# Typical question paper format

Science (Physics, Chemistry, Biology)



Note: The question paper format will be as follows, with the questions differing at each level.

A car speeds up on a straight road from 20 m/s to 40 m/s in 5 seconds. What is the car's acceleration?

- a)  $4 \text{ m/s}^2$
- b)  $6 \text{ m/s}^2$
- c)  $8 \text{ m/s}^2$
- d)  $10 \text{ m/s}^2$

Which of the following phenomena explains why we see different colours in soap bubbles?

- a) Reflection
- b) Refraction
- c) Interference
- d) Diffraction

A metal X reacts with oxygen to form an amphoteric oxide. Which of the following could X be?

- a) Sodium
- b) Magnesium
- c) Zinc
- d) Iron

A student heated copper sulfate crystals and noticed a colour change. What is the reason for this?

- a) Loss of water of crystallization
- b) Oxidation of copper
- c) Formation of a new compound
- d) Absorption of moisture

Which part of the human digestive system is the longest?

- a) Stomach
- b) Esophagus
- c) Small intestine
- d) Large intestine

In photosynthesis, oxygen is released. What is the source of this oxygen?

- a) Carbon dioxide
- b) Water
- c) Glucose
- d) Chlorophyll

Why does a ball rolling on the floor eventually stop?

- a) Lack of energy
- b) Friction
- c) Gravitational pull
- d) Air resistance

Which type of root system is best suited for water storage?

- a) Fibrous roots
- b) Taproots
- c) Adventitious roots
- d) Prop roots

Which of these will turn blue litmus red?

- a) Sugar solution
- b) Vinegar
- c) Saltwater
- d) Baking soda solution

If you increase the surface area of a reactant in a chemical reaction, what happens to the reaction rate?

- a) It decreases
- b) It remains the same
- c) It increases
- d) It stops completely

ANSWERS: 1. a, 2. c, 3. c, 4. a, 5. c, 6. b, 7. b, 8. b, 9. b, 10. c