

Answer Key

Q1 (Max 5): Describe the water cycle.

Key points (up to 5 marks):

- Mentions evaporation
- Mentions condensation
- Mentions precipitation
- Mentions collection/runoff/infiltration
- Explains sequence or energy from the sun

Q2 (Max 10): Explain photosynthesis and why it is important.

Key points (up to 10 marks):

- Reactants: CO_2 and H_2O
- Products: glucose and O_2
- Role of chlorophyll/light energy
- Significance: oxygen production
- Significance: base of food chains/energy storage
- Clear, accurate explanation and terminology

Q3 (Max 10): Compare and contrast solid, liquid, and gas states of matter.

Key points (up to 10 marks):

- Solids: fixed shape and volume; tightly packed particles
- Liquids: fixed volume, variable shape
- Gases: variable shape and volume; widely spaced particles
- Mentions particle motion/energy differences
- Describes transitions due to temperature/pressure