

## Answer Key

### Question 1:

- **Correct Answer:** Photosynthesis is the process by which green plants use sunlight to synthesize food from carbon dioxide and water. It typically involves the green pigment chlorophyll and generates oxygen as a byproduct.
- **Scoring Rubric:**
  - Full marks if definition includes sunlight, carbon dioxide, water, and oxygen.
  - Partial marks if at least two components are mentioned.

### Question 2:

- **Correct Answer:** Solid, liquid, and gas.
- **Scoring Rubric:**
  - Full marks if all three states are correctly named.
  - Partial marks if two are correct.

### Question 3:

- **Correct Answer:** The water cycle describes the continuous movement of water on, above, and below the surface of the Earth, including processes like evaporation, condensation, precipitation, and collection.
- **Scoring Rubric:**
  - Full marks if the explanation includes evaporation, condensation, and precipitation.
  - Partial marks if at least two stages are mentioned.

### Question 4:

- **Correct Answer:** Gravity is the force that attracts objects toward the center of the Earth or any other physical body having mass.
- **Scoring Rubric:**
  - Full marks for mentioning attraction and Earth's center.
  - Partial marks for mentioning attraction or falling objects.

### Question 5:

- **Correct Answer:** Oxygen is essential for human survival as it is used in cellular respiration to produce energy for bodily functions.
- **Scoring Rubric:**
  - Full marks for mentioning cellular respiration or energy production.
  - Partial marks for mentioning breathing or survival.