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Session 2026-2027

Class: VI

Subject: Science

Chapter: The Amazing World of Science

A. Define the following terms:-

- 1. Science:** The study of the natural world based on observation, experiments, and evidence.
- 2. Observation:** Carefully watching and noting things using our senses.
- 3. Experiment:** A test done to learn something or to prove an idea.
- 4. Hypothesis:** A possible explanation or guess that can be tested.
- 5. Conclusion:** The result or final decision based on observations and experiments.

B. Answer the following questions:-

Ques 1 - Why do we call certain things alive while others are not?

Ans1- We call certain things alive (like plants, animals, and humans) if they can breathe, grow, need food for energy, move on their own, reproduce (have babies), and respond to their surroundings. Non- living things (like rocks or chairs) do not perform these life processes.

Ques 2- Why do we need to drink water even when we are not thirsty? How does water contribute to our overall health?

Ans2- Drinking water is vital even when not thirsty because by the time you feel thirsty, your body is likely already dehydrated. Water regulates temperature, carries oxygen to cells, aids digestion, and keeps joints, skin, and organs healthy. It is crucial to drink it regularly to maintain energy and prevent infections.

Ques 3- Why do leaves change colour before they shed?

Ans3- Leaves change color in the fall because shorter days and cooler weather tell trees to stop making green chlorophyll a pigment that helps them turn sunlight into food.

Ques 4- Why does the moon appear to change shape?

Ans4- The moon does not actually change shape, but it looks like it does because it orbits the earth. As it moves, the sun lights up different parts of it.