

# Class 7 Solutions Science Chapter 1 The Ever Evolving World of Science

## (InText)

### Question 1. How do things work? (Page 2)

**Answer:** Things work because of how different parts or materials interact with each other. For example, in a clock, the gears move to show the time, and in a plant, the roots absorb water to help it grow, glowing of an electric bulb. Our bodies work in a similar way, with each organ having a special role to keep us healthy. Science helps us understand how these parts work together to make things function properly.

### Question 2. Why do events happen the way they do? (Page 2)

**Answer:** Events happen the way they do because of a combination of cause and effect. Every action or decision leads to a result. For example, if it rains, the ground gets wet because rain causes that change. In nature, and in life, things happen based on certain conditions, patterns, and rules. Science helps us understand these patterns, so we can predict and explain why certain events occur the way they do.

### Question 3. What can we learn from the patterns that we see in nature? (Page 2)

**Answer:** From the patterns in nature, we can learn about how things work, how changes happen, and how to predict the future events. For example, the changing seasons follow a regular pattern, so we know when to expect spring, summer, fall, or winter. The way plants grow and animals behave also follow patterns that help us understand their life cycles. Studying these patterns helps us make better decisions and understand the world more clearly.

### Question 4. Why are some fruits sour? (Page 2)

**Answer:** Some fruits are sour because they contain acids like citric acid. The acid content and ripeness affect how sour they taste. For example, lemons are sour due to high citric acid, while other fruits like green mangoes become sweeter as they ripen.

### Question 5. What happens when we wash the haldi stain on our uniform? (Page 2)

**Answer:** When we wash a haldi stain on our uniform with soap, being basic in nature, soap reacts with the haldi stain. This reaction causes the stain to change into red colour, making it harder to remove.

## Activities 1.1 Question the Answer (Pages 5-6)

### Question 1.

**What should I do if my coffee is too strong?**

**Answer:** Just add some milk.



**Question 2. Why did my cat have trouble chewing its food?**

**Answer:** Because the cat's teeth were crooked. Note: Students can create more questions of their own.

**Question 3. What should I do? I forgot to bring your bathrobe.**

**Answer:** Don't panic, I have my towel.

**Question 4. If a box contains 6 sets of books, and each set has 7 books, how many books are in the box?**

**Answer:** 42

