



## INDIAN SCHOOL AL WADI AL KABIR



<b>CLASS: VII</b>	<b>DEPARTMENT: SCIENCE</b> <b>2026 - 2027</b>	<b>DATE:</b> <b>17/04/2026</b>
<b>WORKSHEET NO.:01</b>	<b>UNIT 1: THE EVER-EVOLVING WORLD OF SCIENCE (BRIDGE COURSE)</b>	<b>NOTE: A4 FILE FORMAT</b>
<b>NAME OF THE STUDENT:</b>	<b>CLASS &amp; SEC:</b>	<b>ROLL NO.</b>

### **I. OBJECTIVE-TYPE QUESTIONS:**

1. Which of the following is an example of a reversible change?

- (a) Burning of paper
- (b) Melting of ice
- (c) Breaking of a rock
- (d) Rusting of iron

2. Which of the following is the most appropriate reason why science is called an “ongoing process”?

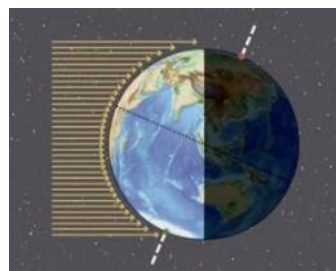
- (a) It repeats old discoveries.
- (b) It constantly evolves with new questions and findings.
- (c) It focuses only on experiments.
- (d) It avoids real-life applications.

3. Which statement best reflects the role of science in sustainability?

- (a) Science ignores the environment.
- (b) Science helps to solve environmental challenges.
- (c) Science increases pollution.
- (d) Science is unrelated to nature.

4. The given diagram depicts:

- (a) Rotation of the Earth causes day and night.
- (b) Revolution of the Earth causing day and night.
- (c) Movement of the moon showing the moon’s phases.
- (d) An eclipse when a shadow is cast by the sun.



5. The example of haldi stain changing colour is related to:

- (a) Physical change
- (b) Chemical properties
- (c) Motion
- (d) Light

For questions 6-7, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (A), (B), (C), and (D) as given below:

- (A) Both A and R are true, and R is the correct explanation of the Assertion.
- (B) Both A and R are true, but R is not the correct explanation of the Assertion.
- (C) A is true, but R is false.
- (D) A is false, but R is true.

6. **Assertion (A):** Observations and experiments are important in learning science.

**Reason (R):** Discoveries in one field of science can lead to discoveries in another.

7. **Assertion (A):** Eclipses create shadows in space.

**Reason (R):** Eclipses are formed when one object in space blocks light from another.

## **II. VERY SHORT ANSWER TYPE QUESTIONS:**

1. How does the movement of the Earth affect our lives?

**[Hint: The earth's rotation causes day and night, while its revolution around the sun creates seasons like summer and winter.]**

2. Mention the role of heat in the water cycle.

**[Hint: Heat from the sun causes water to evaporate, and as it cools, it condenses into clouds and eventually falls as rain, continuing the cycle.]**

3. How does science help us understand the natural world?

**[Hint: Science helps us understand the natural world by observing patterns, conducting experiments and analysing how things work, leading to discoveries about our environment.]**

4. Why are life processes important for living things?

**[Hint: Life processes like nutrition, respiration and reproduction help living things survive, grow and maintain their bodies.]**

5. Identify the given device. On what principle does it work?



**[Hint: The given device is a sundial. It is an ancient timekeeping device that indicates the time of day by using the shadow cast by the sun.]**

**ANSWERS FOR OBJECTIVE TYPE QUESTIONS:**

- 1. (b) Melting of ice**
- 2. (b) It constantly evolves with new questions and findings.**
- 3. (b) Science helps to solve environmental challenges.**
- 4. (a) Rotation of the Earth causes day and night.**
- 5. (b) Chemical properties**
- 6. (B) Both A and R are true, but R is not the correct explanation of the Assertion.**
- 7. (A) Both A and R are true, and R is the correct explanation of the Assertion.**

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