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Class ⇒ 7th  
Math

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EI Cares Worksheet Class-7th

1. A scientist observes that plants near a factory grow poorly compared to plants in a clean environment. What is the most logical reason?

- A. Pollution affects plant growth.
- B. Plants do not need sunlight.
- C. Factories produce oxygen.
- D. Soil has no role in growth.

2. How do satellites contribute to human life?

- A. They help in weather forecasting, communication, and navigation.
- B. They produce electricity at home.



- C. They increase rainfall directly.
- D. They make food

3. Why are solar panels considered an environmentally friendly technology?

- A. They use renewable energy from the Sun.
- B. They consume large amounts of fuel.
- C. They release harmful gases.
- D. They increase pollution

Case Study-Based Analytical Question

Read the passage carefully:

A group of students noticed that their school consumed a large amount of electricity. They suggested replacing ordinary bulbs with LED bulbs and installing solar panels on the roof. After one year, electricity consumption decreased significantly.

4. What scientific principle is demonstrated in this case?

- A. Efficient use of energy and renewable resources
- B. Wastage of resources
- C. Increased pollution

D. No use of science

5. A scientist notices that a medicine is not working as effectively as before. Instead of ignoring the problem, she conducts new experiments and modifies the medicine. This shows that science:

- A. Never changes once a discovery is made.
- B. Relies on evidence and continuous improvement.
- C. Depends only on opinions.
- D. Rejects new ideas.

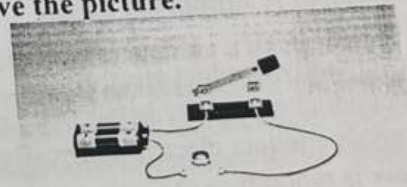
6. Two students observe the same plant. One says it grows faster due to sunlight, while the other says it grows faster due to fertilizer. What should they do to determine the correct reason?

- A. Accept the opinion of the older student.
- B. Conduct controlled experiments.
- C. Guess the answer.
- D. Ask friends for their opinions.

7. Two identical bulbs are connected in a circuit. One bulb fuses. What will happen in a series circuit?

- A. Both bulbs stop glowing.
- B. The second bulb glows brighter.
- C. The second bulb remains unaffected.
- D. The cells become stronger.

Observe the picture.



8. Why is the bulb not glowing?

- A. The switch is open, making the circuit incomplete.
- B. The bulb is too small.