



BCM SCHOOL BASANT AVENUE, DUGRI, LUDHIANA

CLASS -VII

SUBJECT – SCIENCE

CHAPTER -3 Electricity circuits and their components.

CHAPTER -6 Adolescence: A stage of Growth and Change

DATE- Aug 18, 2026.

ASSIGNMENT -2

1.MCQS

1 . Which of the following is not a change seen during adolescence?

- (a) Growth of hair in armpits (b) Increase in height
(c) Formation of bones (d) Development of reproductive organ

2. What is the role of the filament in an incandescent lamp?

- (a) To act as a terminal. (b) To conduct heat
(c) To emit light by glowing. (d) To support the glass bulb

ASSERTION -REASON

a) Both assertion (A) and reason(R) are true and (R) is the correct explanation of assertion (A).

(b) Both assertion (A) and reason(R) are true, but reason (R) is not the correct explanation of assertion (A).

(c) Assertion (A) is true, but reason (R) is false.

(d) Assertion (A) is false, but reason (R) is true.

3.Assertion (A): A battery is used to power an electrical circuit.

Reason : A battery provides a source of voltage to move electrons through the circuit.

4.Assertion (A): Puberty ends when an adolescent reaches reproductive maturity.

Reason : The period of adolescence varies from person to person.

5. Isha had just joined a social media platform and was excited to share photos and chat with new people. Her elder cousin warned her to be careful about what she posts and who she talks to online. Isha wondered why it was such a big deal. If you were Isha, how would you use social media safely during adolescence, and what risks would you try to avoid?

6. Draw a circuit diagram for a simple torch using symbols for electric components.

7. Why does an LED only glow when connected specific way in a circuit?

8. Mary and Manoj were classmates and good friends. On turning 11, Mary developed a little bulge on the front of her neck. She visited the doctor who gave her medication and asked to take iodine-rich diet. Similarly, a bump was developed on the front of Manoj's neck when he turned 12. However, the doctor told him that it was a part of growing up. According to you, what could be the possible reason for advising Mary and Manoj differently?

9. (a) Rohan noticed that his voice became deeper during adolescence and a small bulge appeared in his throat. What is this bulge called? Why does it become prominent in boys?

(b) Why are the changes such as facial hair, breast development, and change in voice called secondary sexual characters?

10. CASE STUDY

A science teacher demonstrates conductors and insulators. She uses a circuit with a battery and a lamp. When she places a copper strip between the test points, the lamp glows brightly. When she uses a piece of dry wood, the lamp doesn't glow. Then, she uses a graphite rod (pencil lead), and the lamp glows again.

1. Classify copper, dry wood, and graphite as conductors or insulators based on the demonstration.

2. Why is it important that the handles of tools used by electricians (like screwdrivers and pliers) are covered with plastic or rubber?

3. Could the teacher use pure water in this setup? Would the result likely change if salt was dissolved in the water?