



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 29, 2026.

ASSIGNMENT -2

MCQS

1 . (c) Formation of bones

2. (c) To emit light by glowing.

ASSERTION -REASON

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

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

5.i) To use social media safely:

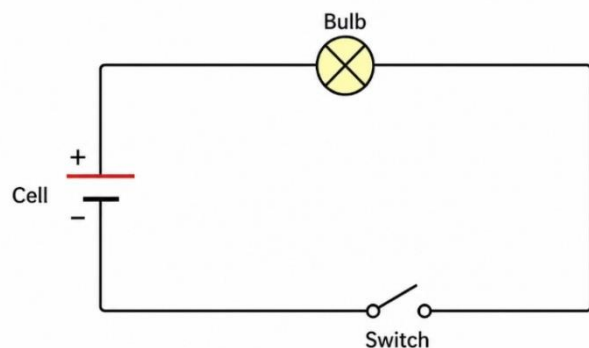
ii)Don't share personal details like your address or school name.

iii)Don't send photos to strangers.

iv)Never click on unknown links.

If someone is mean or threatens you online, tell a parent or teacher.

Cyberbullying is real and can hurt feelings. Being careful and asking for help when needed keeps social media safe and fun.



7. An LED (Light Emitting Diode) glows only when connected in the correct way because it is a diode, which allows electric current to flow mainly in one direction.

The positive terminal (+) of the battery must be connected to the anode (longer leg) of the LED.

The negative terminal (–) must be connected to the cathode (shorter leg/flat side).

If connected in the opposite direction, the LED generally does not glow because current cannot flow through it in that direction.

8. In Mary's case, the bulge was likely due to a swelling of the thyroid gland, which can happen because of iodine deficiency. This condition is called a goitre, and it needs treatment with medicine and an iodine-rich diet (like iodised salt, fish, and dairy).

For Manoj, the bump on his neck was likely his Adam's apple, which is a normal part of puberty in boys. It happens as the voice box (larynx) grows, and it does not need any treatment. So, the doctor gave different advice because Mary's condition was a medical issue, while Manoj's was a normal part of growing up.

9. (a) The protruding part of the throat in boys is called Adam's apple. It is the enlarged voice box. It makes the voice of boys hoarse.

(b) They are called secondary sexual characters because they develop during puberty and distinguish males and females, but they are not directly involved in reproduction.

10. CASE STUDY

(1) Copper is a conductor, dry wood is an insulator, and graphite is a conductor.

(2) Plastic and rubber are insulators. This covering prevents the electricity from flowing through the metal tool into the electrician's hand, protecting them from electric shock.

(3) Pure water is a poor conductor (almost an insulator), so the lamp might not glow or glow very dimly. However, salt water is a good conductor, so adding salt would likely make the lamp glow.