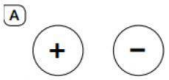
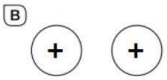
NATURAL SCIENCE
UNIT 9

1. Do they attract or repel?

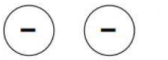
A



B

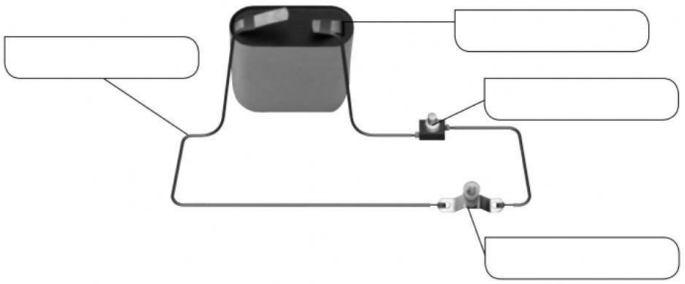


C



2. Look at the photographs and write the effect of electric current.

3. Label the electric circuit.



4 Read the energy transformations. Write the type of power plant.

a. mechanical energy from water → electricity _____ power plants

b. chemical energy from fossil fuels → electricity _____ power plants

c. mechanical energy from wind → electricity _____ power plants

d. thermal energy from the Sun → electricity _____ power plants

5. There are electrical charges in…

a. all objects. b. some objects. c. objects in movement.

6. Objects are…

a. usually electrically positive.
b. usually electrically neutral.
c. always electrically negative.

7. Objects with opposite charges…

a. attract. b. repel. c. do not affect each other.

8. An electric current…

a. can only flow through insulators.
b. cannot be transformed into other forms of energy.
c. is the flow of electrical charges through materials.

9. Electric current does not flow through insulators because they…

a. do not allow electrical charges to move.
b. are extremely hard materials.
c. are not connected to an electric circuit.

10 In an electric circuit, the switch…

a. transports electricity.
b. transforms electricity into light energy.
c. controls the flow of electricity.

11. The component that provides the electricity in a circuit is the…

a. device. b. cable. c. generator.

12 In thermal power plants, …

a. wind moves a turbine.
b. fossil fuels are used to heat up water.
c. there are no turbines or generators.

13. Conductors or insulators?

METAL _____

GLASS _____

PLASTIC _____

SILVER _____

AIR _____

COPPER _____