

Name: _____ Date: _____

Electricity and Circuits

Q1. When we touch live wire we get a shock whereas bird sitting on wire does not get shock. Why?

Ans. _____

Q2. Write some purposes for which we use electricity.

Ans. _____

Q3. How conductors are different from insulators?

Ans.	Conductor	Insulator
	1.	1.
	2.	2.

Electricity and Circuits

Q1. When we touch live wire we get a shock whereas bird sitting on wire does not get shock. Why?

Ans. For a living being to get a 'shock' there has to be a considerable flow of current through the body and the circuit needs to be complete for current to flow. We get shock when we accidentally touch the live wire because circuit is complete and current passes through our body and enters the earth. But bird sitting on wire does not complete the circuit and hence does not get shock.

Q2. Write some purposes for which we use electricity.

Ans. We use electricity for many purposes to make our tasks easier. For example,

- We use electricity to operate pumps that lift water from wells or from ground level to the roof top tank.
- For lighting our homes, roads, offices, markets and factories even after sunset.
- For running many gadgets and machines.

Q3. How conductors are different from insulators?

Conductor	Insulator
1. Materials which allow electric current to pass through them are conductors of electricity.	1. Materials which do not allow electric current to pass through them are insulators.
2. Example: All metals such as silver, aluminium, gold, iron, copper etc. are good conductors and impure water.	Example: cotton, rubber, leather, plastic, air, pure water etc.