

2034 NANUKU SANGAM SCHOOL
LESSON NOTES
WORKSHEET 5 - 2021

Subject: Elementary Science

Year: 6

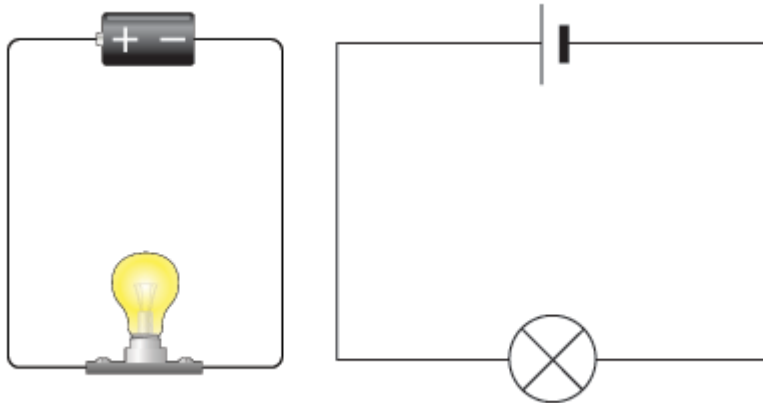
Name: _____

STRAND	Energy
SUB - STRAND	Energy Sources and Transfer
CONTENT LEARNING OUTCOME	Investigate simple electrical devices to demonstrate how electrical energy is transferred and transformed such as light circuit, buzzer, electromagnet, a motor.

Lesson Notes

Simple Circuit

1. A simple circuit contains the minimum things needed to have a functioning electric circuit.
2. - A source of electrical power. (Typically, a battery or electrical outlet)
- A conductive path which would allow for the movement of charges. (Typically made of wire)
- An electrical resistance (resistor) which is loosely defined as any object that uses electricity to do work. (a light bulb, electric motor, heating element, speaker, etc.)
3. Despite being considered simple; they are useful and quite common. They exist as torches, doorbells, and many kitchen appliances.

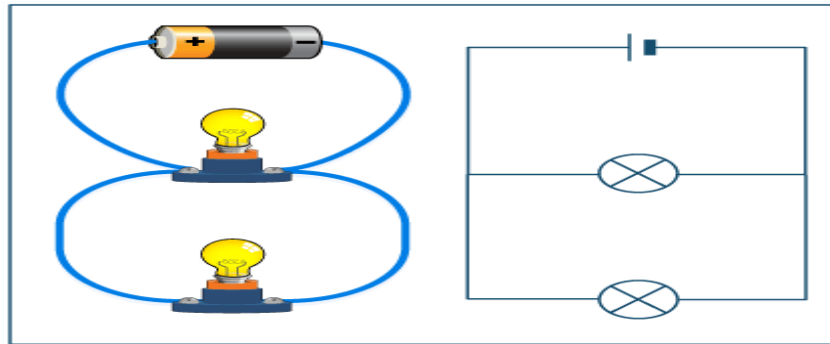


Parallel Circuit

1. A closed circuit in which the current divides into two or more paths before recombining to complete the circuit.
2. One way is to connect the bulbs side by side, so that each bulb has its own circuit with the battery.

Sangam Education Board - Online Resources

3. The bulbs connected in this way are connected 'in parallel'.



Activity

1. List two things required to set up a **simple circuit**.

2. Draw a **parallel circuit** and label.

A large empty rectangular box provided for the student to draw and label a parallel circuit.