

The Primary Stage of Grades (4-5) School Year 2022 - 2023

Name: _____

Subject: Science

Worksheet 1: Energy

Date: / /

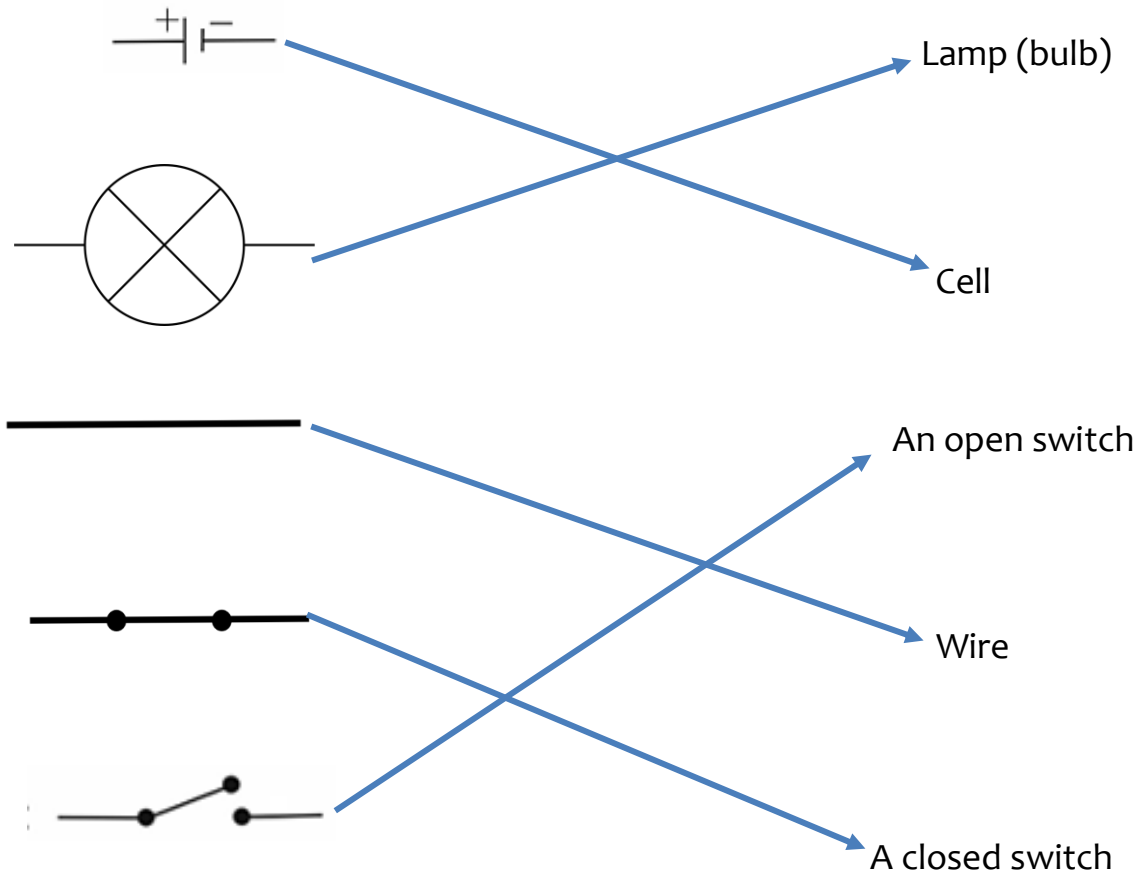
Class: Grade 5 National (A, B)

Objective/s

- Identify different circuit components.
- State the difference between a series and a parallel circuit.

Question one:

Draw a line to connect each circuit component to the correct symbol:



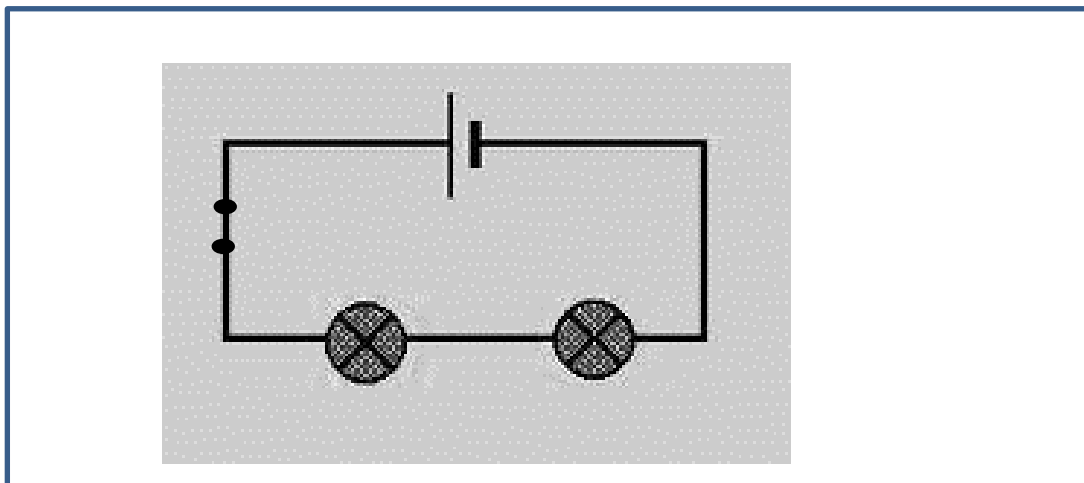
Question Two:

Complete the following table with the function of each component.

Component	Function
Cell or Battery	Is the energy source in the circuit.
Buzzer	It produces sounds.
Switch	Turns the circuit on and off.
Wire	Passes the electric current.
Lamp	It lights up.

Question Three:

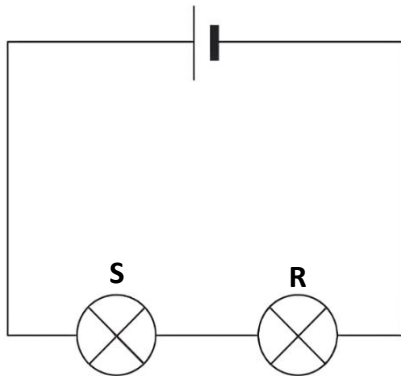
Draw an electrical circuit that includes two bulbs, a cell and a switch.



Question Four:

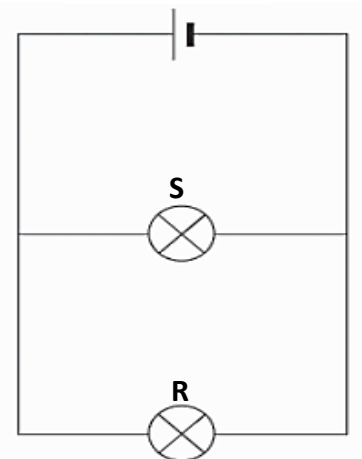
- a. Study the following circuit diagrams and write the correct type of circuit under each diagram:

Circuit A



Series Circuit

Circuit B



Parallel Circuit

- b. In which type will the lamp be brighter? Explain why.

In the parallel circuit, since the voltage for each bulb is the same as the voltage in the circuit.

- c. In **circuit A**, Bulb **S** stopped working, what happens to **bulb R**?

Bulb R will stop working.

Explain your answer.

They share the same electric current.

- d. In **circuit B**, Bulb **S** stopped working, what happens to **bulb R**?

Bulb R lights up.

Explain your answer.

Bulb R has a closed loop for electricity to pass, it is not affected by bulb S.