



Rosary School / Marj Elhamam

Name : \_\_\_\_\_ Date : / /2025 Subject: Science

### **Worksheet 5**

**Q1:** A pile of books has a mass of 25kg, what's its weight. Show your work

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**Q2:** Ming rides her bicycle to school



**A:** What force does she exert on the bicycle?

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B: What effect does the force have on the bicycle?

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**Q3:** a) Farah places a metal key in a container of water. The key sinks. Explain why the key sinks.

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b) Suggest what Farah could do to make the key float.

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— c) Draw a force diagram to show the key floating. **Label the forces.**

**Q4:** In the box below, draw a parallel circuit with a 3V battery, two motors and an open switch.

**Q5:** Complete the table to show what happens in the circuit.

Switch Y	Switch Z	Bulb
Open	Open	
Closed	Open	
Open	Closed	
Closed	Closed	

