Year 6
Electricity Test 3 (end of topic)

Name: _____ Class: _____ Date: _____

1. **a)** How does a switch work?

....

....

KU

☐ 1 mark

b) Draw the symbols for an open switch and a closed switch.

open switch	**closed switch**

KU

☐ 2 marks

c) If you made a circuit with one cell and two bulbs, would the switch work if you put it between the two bulbs?
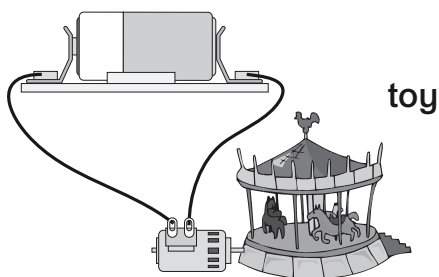
yes ☐   **no** ☐

A

☐ 1 mark

2. **a)** Min constructs a circuit to make her toy roundabout spin.
Use the correct symbols to draw the circuit she used.

toy

A/WS

☐ 2 marks

☐ Total for this page

b) Complete Min's prediction.

To make the roundabout go faster, I could _____

_____

c) What could Min do to see if her prediction is correct?

☐ Add another cell and count how many times the roundabout spins in half a minute.

☐ Count how many times the roundabout spins in half a minute, then add another cell and count it again.

☐ Count how many times the roundabout spins in half a minute, then add another cell.

d) How could Min make the roundabout spin the other way?

_____

3. Give **one** reason why electrical wires have plastic covers.

_____