

Max's Electronics Fun Quiz

Learning objective: To identify simple electrical components and understand how a basic circuit works.

Hello! I am Max the monkey. I love solving maths and science puzzles. Read each question carefully. Use the word bank at the bottom if you get stuck. You can do it!

Answer Key: 1. A, 2. True, 3. False, 4. Battery, 5. True, 6. Switch, 7. Closed, 8. Wire, 9. A, 10. Bulb.

Word bank: Battery · Switch · Bulb · Circuit · Closed · Wire

1. 1. What do we call the path that electricity flows around? A) Circuit* B) Line C) Road D) Pipe (1 mark)

2. 2. True or False: A battery provides the energy for the circuit. (1 mark)

3. 3. True or False: Electricity can travel through a broken wire. (1 mark)

4. 4. What gives power to a simple circuit? (One word answer) (1 mark)

5. 5. True or False: A switch can turn a light on or off. (1 mark)

6. 6. Which part stops or starts the flow of electricity? (One word answer) (1 mark)

7. 7. If the circuit is working and the light is on, is the circuit Open or Closed? (1 mark)

8. 8. What do we use to connect all the parts together? (One word answer) (1 mark)

9. 9. Which part lights up when the circuit works? A) Bulb* B) Battery C) Switch D) Wire (1 mark)

10. 10. What is the name of the part that glows? (One word answer) (1 mark)

Draw: Draw a simple circuit with a battery, a switch, and a bulb connected by wires. Make sure the switch is closed so the light is on!



Extension challenge: Max wants to build a torch! If you had a battery, a bulb, and a wire, could you make the light turn on? Tell me how you would connect them.