

Part 2 15 points

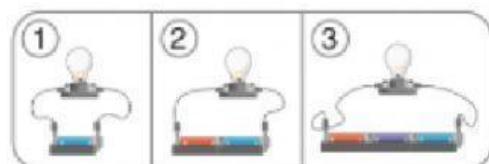
Circle the correct answer for each question.

1. Which can give an electric force?
 - a. Rubbing dry objects together
 - b. Rubbing wet objects together
 - c. Different sides of magnets touching
 - d. Same sides of magnets touching

2. What happens if 2 balloons are rubbed with wet hands and placed next to each other?
 - a. They repel each other
 - b. They attract each other
 - c. They get bigger
 - d. Nothing happens

3. Which are all parts of a circuit with a bulb?
 - a. Bulb, battery, electric cell
 - b. Bulb, electric wire, electric cell
 - c. Switch, electric cell, bulb
 - d. Bulb, electric motor, electric cell

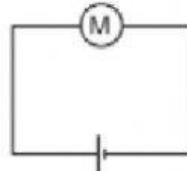
4. Which joins an energy source to an appliance?
 - a. Electric wire
 - b. Dry cell battery
 - c. Light bulb
 - d. Electric motor

5.

In which will the bulb shine brightest?

- a. 1
- b. 2
- c. 3
- d. 2 and 3

Use the picture to answer questions 6 and 7

**6. What is M?**

- a. Light bulb
- b. Buzzer
- c. Electric motor
- d. Electric cell

7. What happens if one electric wire is removed?

- a. Electric wire breaks
- b. Electric cell weakens
- c. No change
- d. Appliance stops working

8. How are appliances connected in a household?

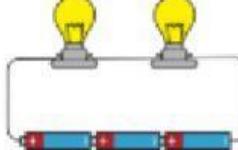
- a. In compound circuits
- b. In parallel circuits
- c. In series circuits
- d. In alternating circuits

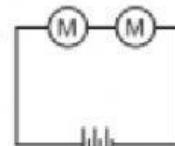
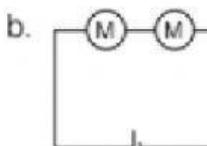
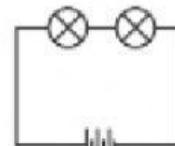
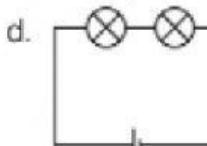
9. What are disadvantages of series circuits of light bulbs?

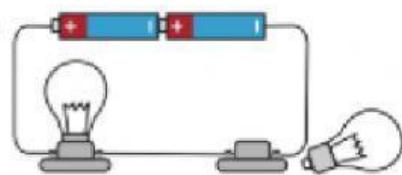
- a. Choose which bulb to shine
- b. Difficult to connect
- c. More parts than parallel circuits
- d. All bulbs go off when 1 is broken

10. Which allows electric current to pass through?

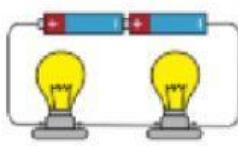
- a. Wood
- b. Copper
- c. Rubber
- d. Plastic

11.  Which is its circuit diagram?

- a. 
- b. 
- c. 
- d. 

12. Which is correct? 

- a. Bulb 1 will shine if 1 dry cell battery is removed.
- b. Bulb 1 will shine if 1 dry cell battery is added.
- c. It is a series circuit, so Bulb 1 goes off if Bulb 2 is removed.
- d. It is a parallel circuit, so Bulb 1 goes off if Bulb 2 is removed.

13.  If one bulb is removed, the other will still shine?

- a. Yes, it will. It is a series circuit.
- b. Yes, it will. It is a closed circuit.
- c. No, it will not. It is a series circuit.
- d. No, it will not. It is a closed circuit.

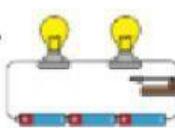
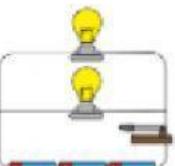
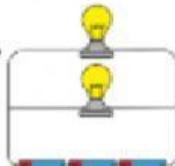
14. Which shows a parallel circuit of electric bulbs that has all these parts?

Light bulbs

Electric wires

Dry cell batteries

Switch

- a. 
- b. 
- c. 
- d. 

15. Which are all electrical conductors?

- a. Plastic, silver, fabric
- b. Wood, plastic, gold
- c. Silver, copper, iron
- d. Wood, rubber, plastic

Part	I got	Out of
1	15	

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