

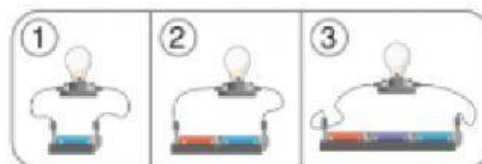
## Part 2

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

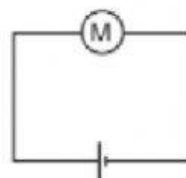
5.



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



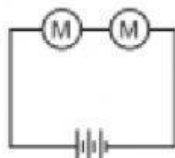
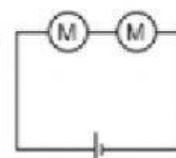
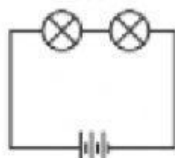
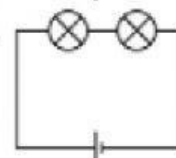
6. What is M?
  - a. Light bulb
  - b. Buzzer
  - c. Electric motor
  - d. Electric cell
7. What happens if one electric wire is removed?
  - a. Electric wire breaks
  - b. Electric cell weakens
  - c. No change
  - d. Appliance stops working
8. How are appliances connected in a household?
  - a. In compound circuits
  - b. In parallel circuits
  - c. In series circuits
  - d. In alternating circuits

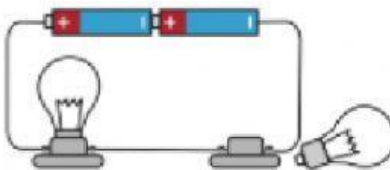
9. What are disadvantages of series circuits of light bulbs?
- Choose which bulb to shine
  - Difficult to connect
  - More parts than parallel circuits
  - All bulbs go off when 1 is broken

10. Which allows electric current to pass through?

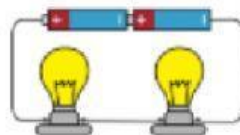
- Wood
- Copper
- Rubber
- Plastic

11.  Which is its circuit diagram?

- 
- 
- 
- 

12. Which is correct?
- 
- Bulb 1      Bulb 2

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

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

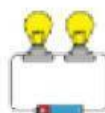
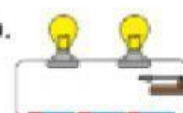
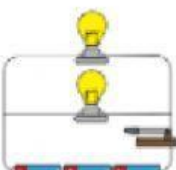
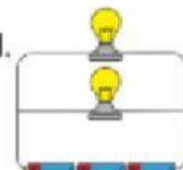
14. Which shows a parallel circuit of electric bulbs that has all these parts?

Light bulbs

Electric wires

Dry cell batteries

Switch

- 
- 
- 
- 

15. Which are all electrical conductors?

- Plastic, silver, fabric
- Wood, plastic, gold
- Silver, copper, iron
- Wood, rubber, plastic

Part 3	
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