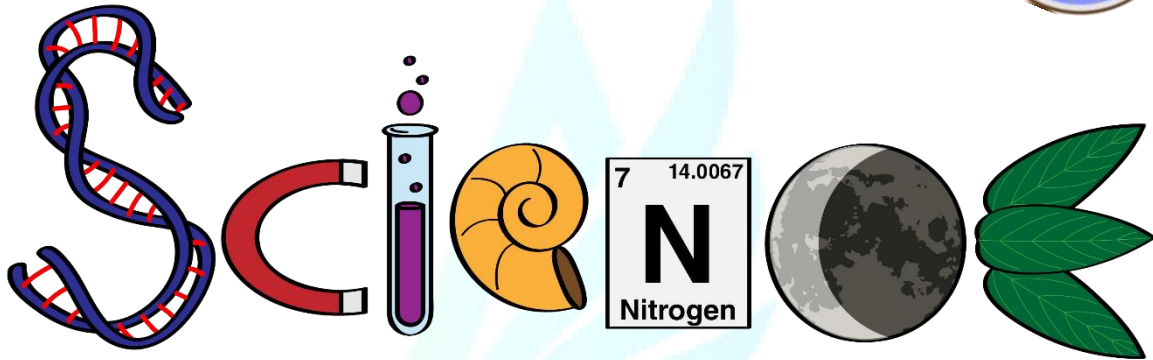




**ASPIRE**  
INTERNATIONAL SCHOOL



Science Department  
2023/2024

Year 2  
Term 3

Final Revision pack

ASPIRE

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**a. Choose the correct answer:**

1. Mains electricity is made in a ----- . (power station- factory)
2. Electricity travels along through ----- . (plastic – wires)
3. ~~Cells~~ ----- are used to power electric appliances that we carry around.
4. The Curiosity Rover is robot located on planet ----- . (Earth - Mars)
5. A ----- uses cell electricity. (kettle – torch)
6. Electricity moves through the ----- part of a wire. (plastic - metal)
7. ----- is a scientist who found out many things about ----- .  
(planets – electricity)
8. The metal should be covered by ----- . (plastic - metal)
9. You have to keep ----- and dirt away from electrical appliances.  
(cells – water)
10. You can have an electric shock if you touched a ----- wire.  
(colored – damaged)
11. Never touch anything that uses mains electricity with ----- hands.  
(wet - dry)
12. Keep children away from electric ----- . (toys- sockets)
13. Only ----- should move, plug in and unplug mains electrical appliances. (Children – adults)
14. ----- is a good conductor of electricity. (Metal - wood)
15. Some materials like ----- do not conduct electricity.  
(wires - plastic)
16. If the circuit is complete, the ----- will shine. (cell - lamp)
17. The ----- is the main source of electricity in a circuit.  
(wire - cell)
18. The ----- connect the circuit parts to each other. (wires - cells)
19. A cell is often called a ----- . (wire - battery)
20. Broken ----- can burn your skin and hurt your eyes. (windows - cells)
21. Electrical appliances have on/off ----- . (wires – switches)

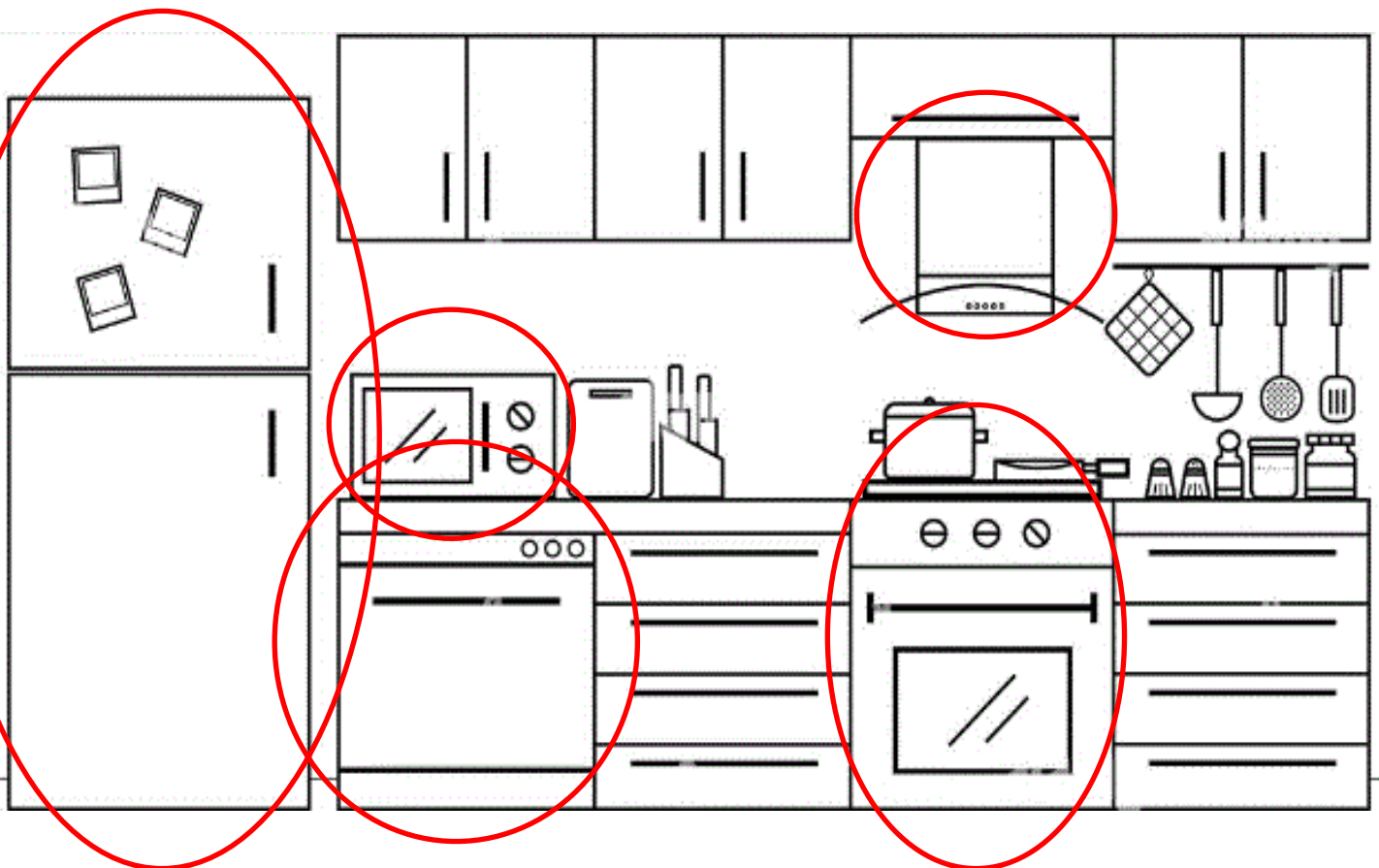
b. Mention one electric appliance that works with **mains** electricity? Why is it considered as a main electrical appliance?

Washing machine, because it uses electricity through a wire and a plug from a wall socket.

c. Mention one electric appliance that works with **cell** electricity? Why is it considered as a cell electrical appliance?

A remote control, because it uses cells (batteries) as a source of electricity.

d. Draw a circle around things in the picture that use electricity:









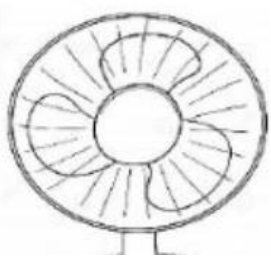
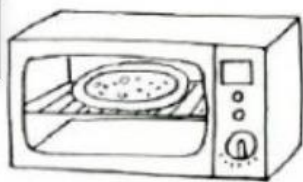



### Task 1: Fill in the blank.

cells      damaged      electricity      dangerous      useful

1. Electricity is very .
2. Electricity comes from the mains or from .
3. Mains electricity can be .
4. A bulb uses  to make light.
5. Never use a  wire.

### Task 2: Which things use electricity? Tick (v) or (x).

<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
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**Task 3: Read. Write yes or no.**

1. Mains electricity can be dangerous.

Yes

2. Cells can store light.

No

3. Do not use electricity near water.

Yes

4. Electricity comes from bulbs.

No

**2. Tick the correct rules we should follow for electrical safety!**

Do not play with electrical sockets.



Do not touch a switch with dry hands.



Never put anything other than a plug into a wall socket.



Never use a damaged wire.



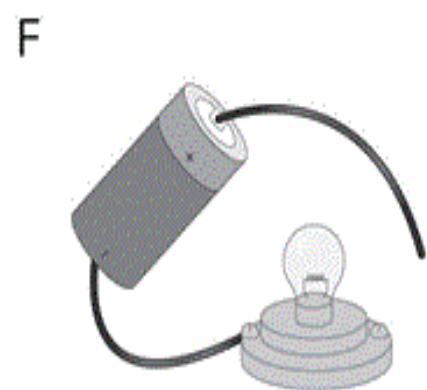
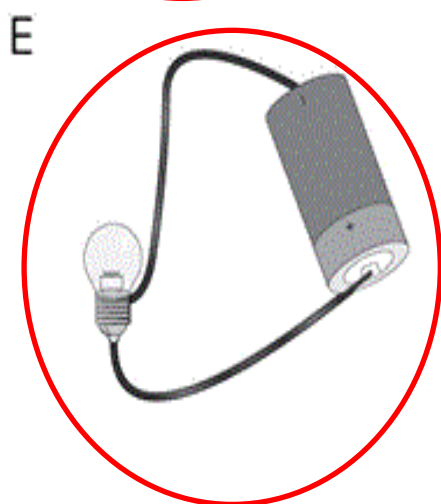
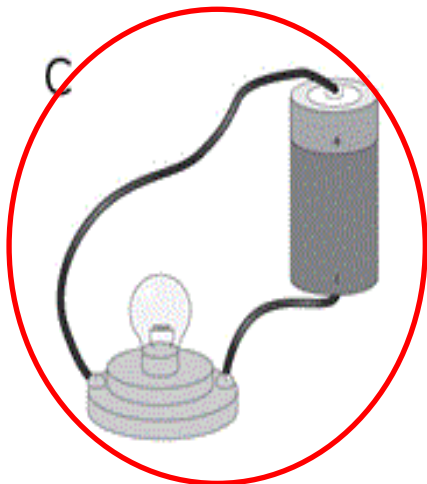
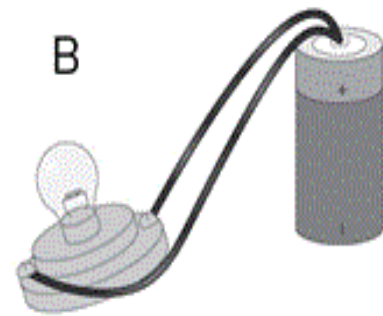
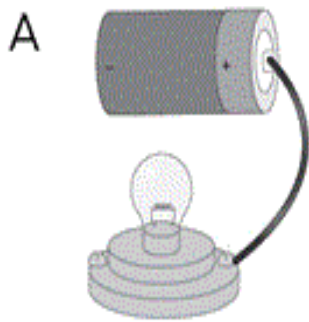
Turn the switch on before pulling a plug out.



## Look at the following circuits:

Some will work but others will not.

- Put a tick (✓) next to the circuits that will work and a cross (X) next to the circuits that will not work.





**Click True or False.**

Do  Don't 1. pick cut wires on the streets.

Do  Don't 2. ask your parents for help when using a new electrical device.

Do  Don't 3. put fingers, scissors or anything else into a wall socket

Do  Don't 4. play kites near electrical posts.

Do  Don't 5. touch sockets with wet hands.

**Click on the pictures that show danger with electricity.**



A. Look at the pictures and label the electricity sources as "mains" or "batteries"  
(Scores: 10)



batteries



mains



mains



batteries



mains



mains



batteries



batteries



mains



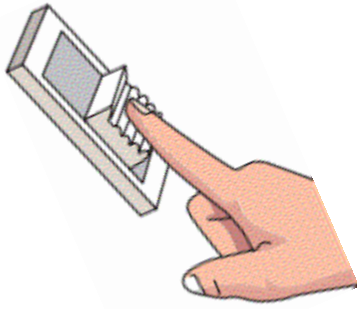
mains



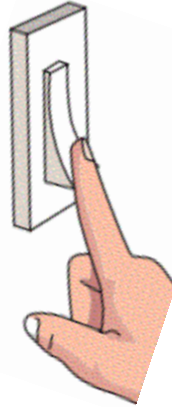
B. If there is an electricity failure (mains electricity is cut off), which things will keep working? Give tick (✓). (Scores: 16)

 ✓	 ✓	 ✓	 ✓
 ✓	 ✓	 ✓	 ✓
 ✓	 ✓	 ✓	 ✓
 ✓	 ✓	 ✓	 ✓

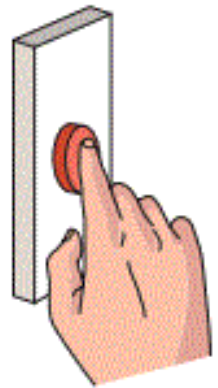
Write the types of switches:



Slide switch



Rocker switch



Press switch

Label the parts of the following circuit:

