



FUTURES EDUCATIONAL SYSTEMS

Science department



PRACTICAL SHEET SECOND TERM. (2025 – 2026)

2ND PREPARATORY

Activity (1): Lemon battery

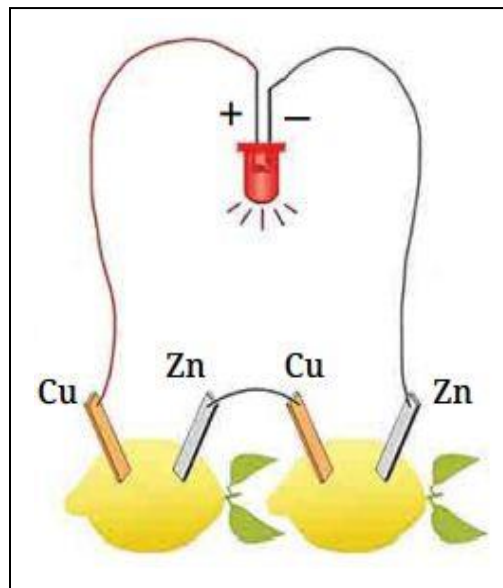
- 1- Insert copper and a zinc rods into a lemon.
 - 2- Connect the rods with a connecting wire.
- Then connect the rods to the LED bulb.

Observation:

☀ The bulb lights up.

Conclusion:

☀ Chemical energy is converted into electric energy.



Activity (2): Importance of oxygen in combustion process

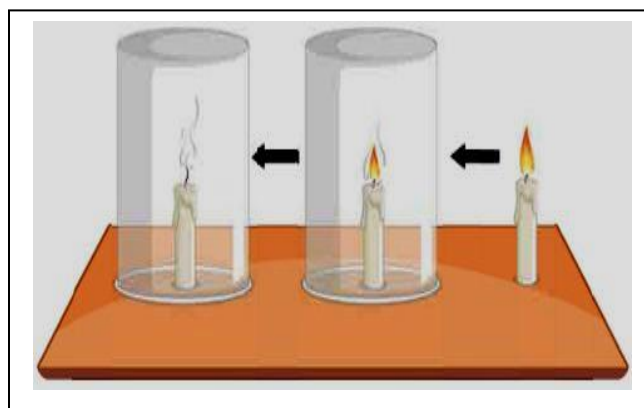
- 1 -Light the candle using a matchstick.
- 2 -Put the candle under the bell jar.

Observation:

☀ The candle flame goes out after a few minutes

Conclusion:

☀ Oxygen gas is important in combustion process.

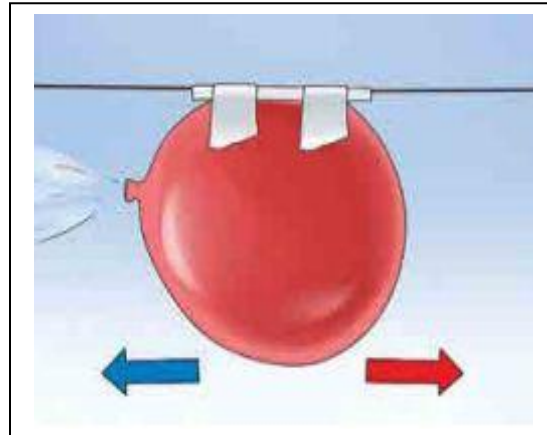


Activity (3): Newton's 3rd law of motion.

- Attach a balloon that is filled with air to starched fishing line and open it

Observation:

☀ The balloon moves opposite to the direction of the rushed air.



Conclusion:

☀ For every action, there is an equal and opposite reaction.

Activity (4): Proving that atmospheric air has a pressure.

1 -Ignite the piece of paper, then put it in the bottle.

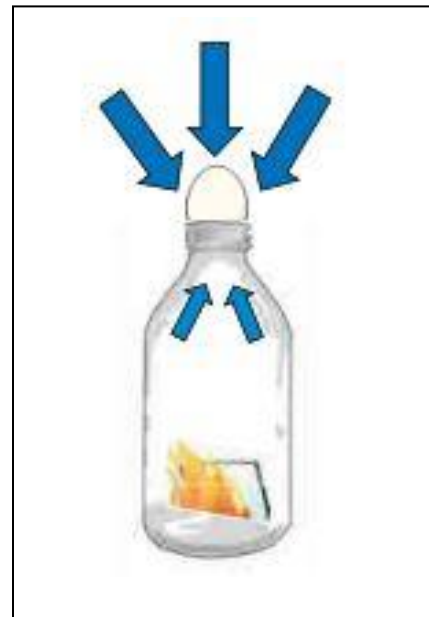
2 - Place the peeled, boiled egg on the mouth of the bottle to close it

Observation:

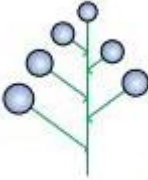
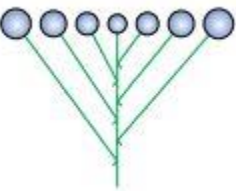
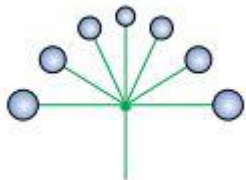
☀ the egg slide into the bottle

Conclusion:

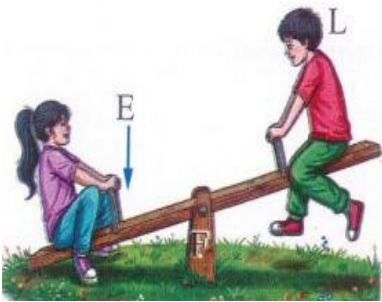
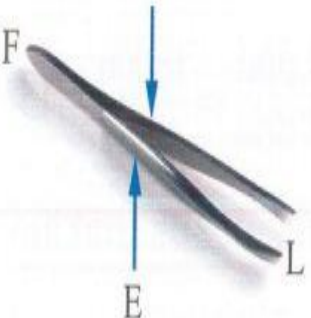
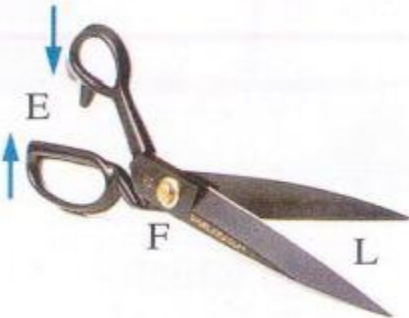
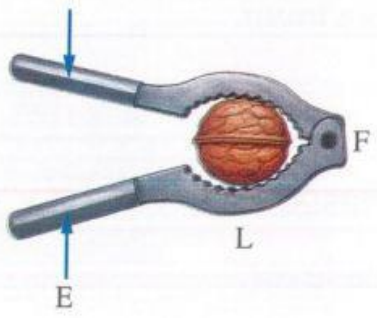
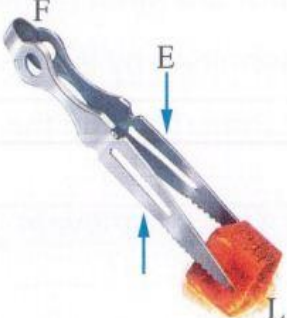
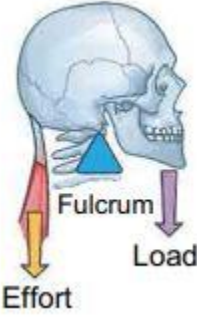
☀ Atmospheric air has a pressure.



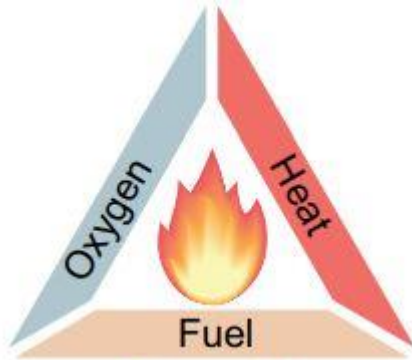
Activity (5): Identify the type of the following inflorescences:

Simple raceme	Simple corymb	Simple umbel
		

Activity (6): Classify the following levers :

1 st class	2 nd class	3 rd class
		
		
		

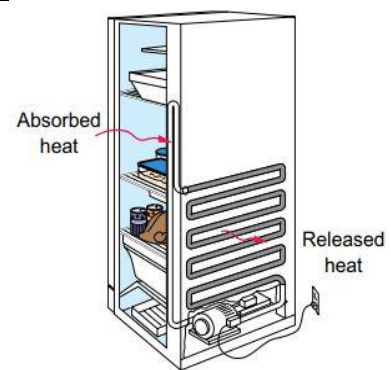
Activity (7): Identify the sample then write its name:



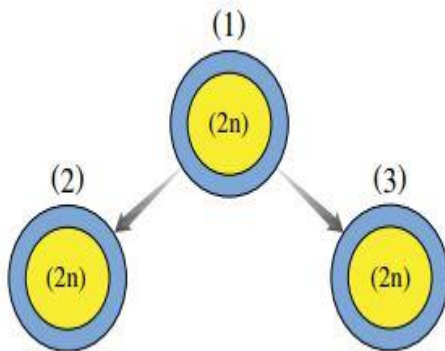
Fire Triangle



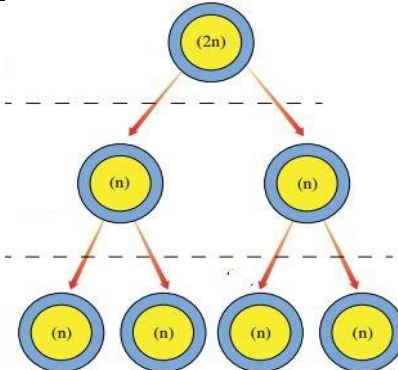
Luminous insect



Refrigeration cycle



Mitosis



Meiosis



Spark plug



Egyptian lynx



Polar bear



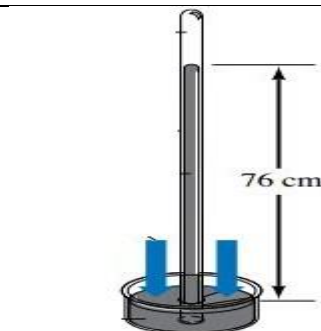
Bunsen burner



Stevenson screen



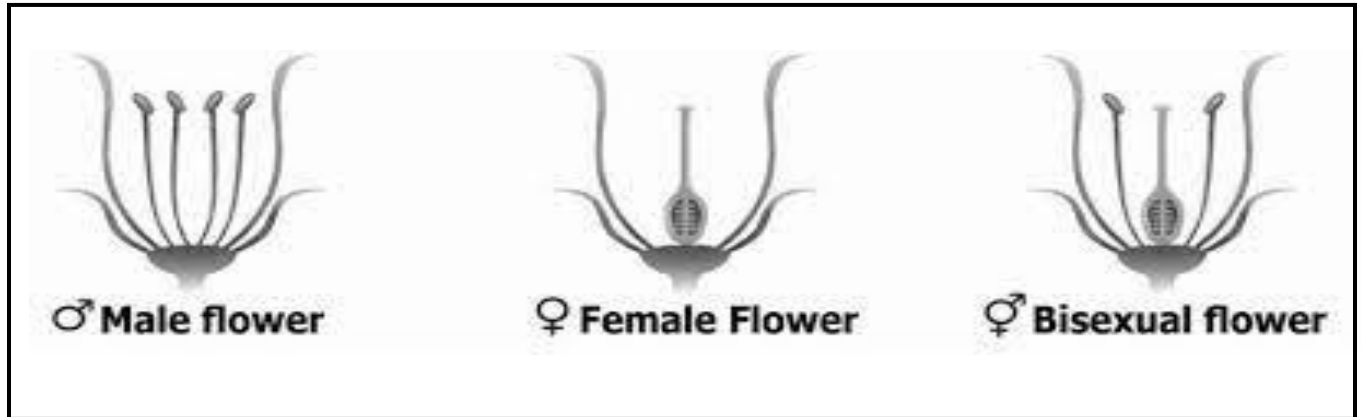
Satellite



Mercury barometer

Activity (8):

Identify the type of the flower:



Good luck & have fun 😊