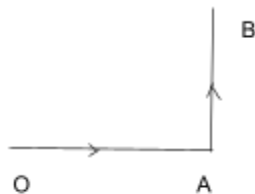


1. A man starts from point O and goes towards the east with a speed of 5 km/hr for 2 hours to reach point A. Then he turns left and goes north with a speed of 2 km/hr for 1 hour and reaches point B. Find the average speed of the man during the journey. (2)

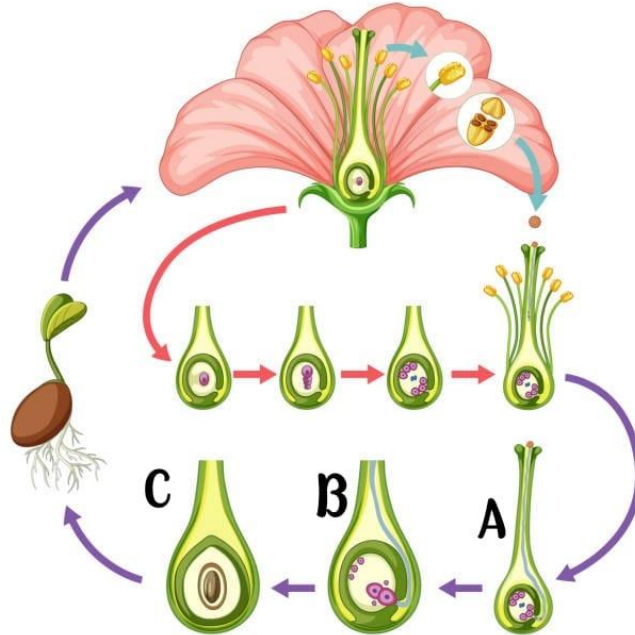


2. Draw the distance vs time graph and identify the type of motion. (2)

Time (in s)	Distance (in m)
0	0
2	5
4	10
6	15
7	20
10	30

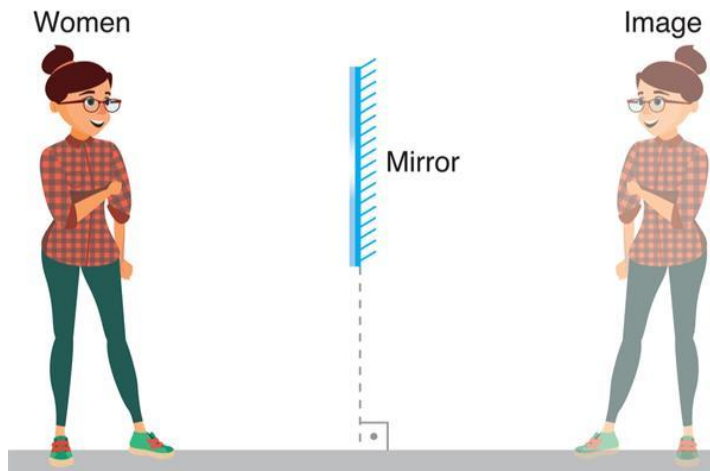
3. Answer in one word. (1+1=2)
- Name the part of the respiratory system that moves downward during inhalation
 - Name the part of the lungs that is richly supplied by blood vessels and responsible for gas exchange.
4. Draw the image formation for a concave mirror when the object is placed between Centre of Curvature (C) and Focus (F). State the characteristics of the image formed. (2)
5. A boy has bread for his breakfast. Name the part of the alimentary canal and the enzyme (digestive juices) involved in its digestion. (2)
6. Boojho lit an incandescent bulb in his room. (1+1=2)
- Identify the filament in the incandescent bulb and state the effect of electric current that correctly explains the working of an incandescent bulb?
 - State 2 reasons why tungsten filament is used in the bulb.

7. . In the given diagram A shows pollen tube formation. Identify the stage 'B' and 'C'. (2)



8. A woman is standing in front of a plane mirror at a distance of 2m from the mirror. (2)

- Calculate the distance of the image from the object.
- How much distance should the girl move and in which direction so that the distance between the girl and her image becomes 5m.



c.