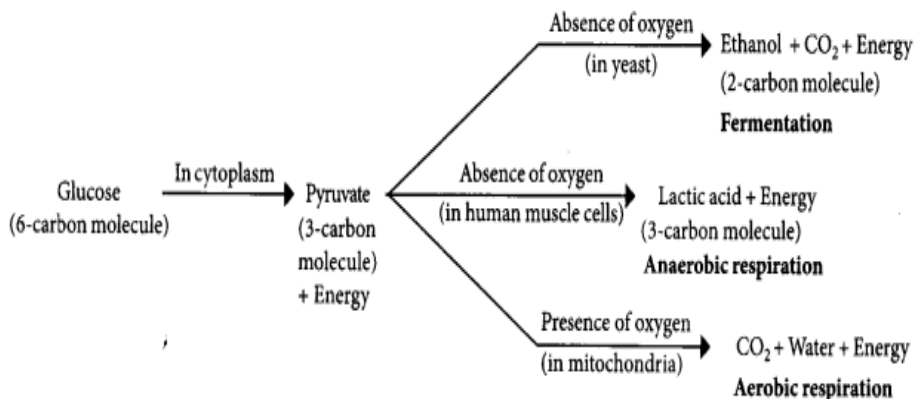
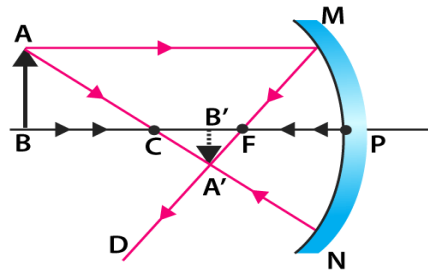


- (a) Starch breaking down into sugars.
- (b) Ag₂S
- (c)
- (a) Since ventricles have to pump blood into various organs with high pressure, they have thicker walls than atria.
(b) The aquatic vertebrates like fish have gills to oxygenate blood. The flow of blood in a fish is single circulation because the blood passes through the heart only once in one complete cycle of body. The terrestrial vertebrates like birds and humans have double circulation as the blood travels heart twice in one complete cycle of blood and they have lungs for oxygenation of blood.
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- (a) $2 \text{CuNO}_3 (\text{s}) + \text{Heat} \rightarrow 2 \text{CuO} (\text{s}) + 4 \text{NO}_2 (\text{g}) + \text{O}_2 (\text{g})$
(b) The brown gas is of nitrogen dioxide.
(c) It is a thermal decomposition reaction.
- (a) This warning is printed on side view mirror because it is convex mirror which always form virtual, erect and diminished image due to which object appear farther away than they actually are, such warning serves a reminder to the driver that adjacent vehicle is at a safe distance.
(b) Since $m = \frac{2}{3} < 1$, hence image formed will be diminished which can be real & inverted as well as virtual & erect (i) therefore mirror can be convex as well as concave mirror (ii) In case image is real and inverted diminished then position of object will be beyond C of concave mirror.



In case image is virtual, erect and diminished then position of the object will be between P and infinity.

