

Diag of root hair

Diag of lenticles

Diag of Stomata

Root

1

Through root hair

Stem

2

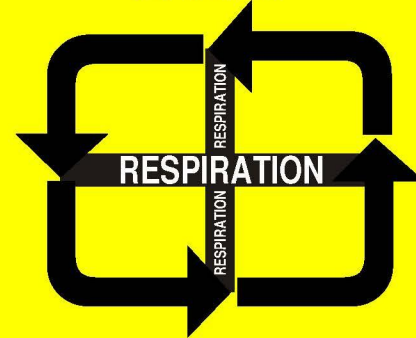
Through Lenticels

Leaf

3

Through stomata

IN PLANTS



IN ANIMALS

1

Cell Surface

(Through general body surface)



2

Tracheal

(Through trachea and tracheoles)



3

Pulmonary

(Through bilthgs)

(a) Amphibia

(b) Reptiles

(c) Birds

(d) Mammals

Diag of Frog with buccal cavity

4

Branchial

(Though gills)



5

Buccat

(Though buccal cavity)



Respiratory quotient
 CO_2 uberated O_2 used

Respiratory diseases
1. Emphysema
2. Asthma
3. Pneumonia
4. Bronchitis
5. Tuberculosis
6. Pleurisy

Types of respiration

Aerobic
(pressure of O_2)

Anaerobic
(absense of O_2)

Muscles

Lactic acid + energy

Yeast

ethyl alcohol + CO_2

Steps of respiration

1
External
(bet organism & environment)

2
Internal
(bet tissue & environment)

3
Cellular
(Oxidation of food in side cells)

Steps

1. Glycolysis 2. Kreb's cycle 3. ETS