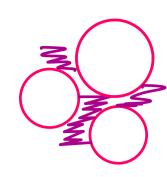
Mechanism of breathing

Wednesday, 29 May 2024 2:44 Al

1) Différence Blu Inter & Intra

Inter = In B/w (Ex- Intercellular = In B/w cells)

Intra = Inside (Ex-Intra cellular = Inside cells)





2) Intra pulmonary pressure

C) Pressure Ensède the lungs

We cannot directly Regulate Pressure Proside our lunge.

? Acc. to Boyle's Low

Volume & I

We can after volume of our thoracte Chamber

Hence Creating a pressure différence As for the Movement of Air a Pressure Différence 93 must.

Air flows from High conc. to low conc.

- 3) Inspiration: Inhabetion of Air.
- 4) Experation & Exhalation of Air
- 5) Change & Volume &

In Autereo-posterPor Axis - Via-Diaphragm

In Dorso-ventral Axis- Via-External
Intercoastal
Muscles

6) Process of Insproation

Requires - ve Pressure gradient

6 Developed when there 95

- · Contraction of Diaphragm = Diaphragm flatters
- · Contraction of External Intercoastal Musck
 = RPbs Moves forward

Due to their contraction there 93 T in volume

4 I in Pritra pulmonary pareceuse

on There Ps de velopment of pressure gradient Pressure 4 pulmonary pressure

Atr Moves Possible.

7) Process of Explication

. Relaxation of Diaphragm = Diaphragm

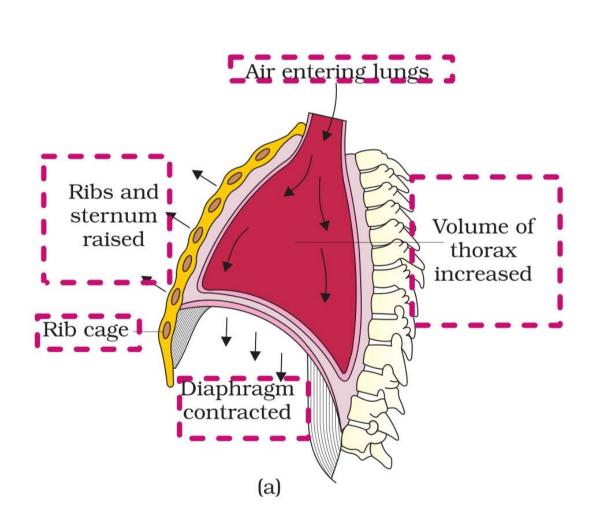
· Relaxation of External Intercoastal Muscle
= RPbe Moves

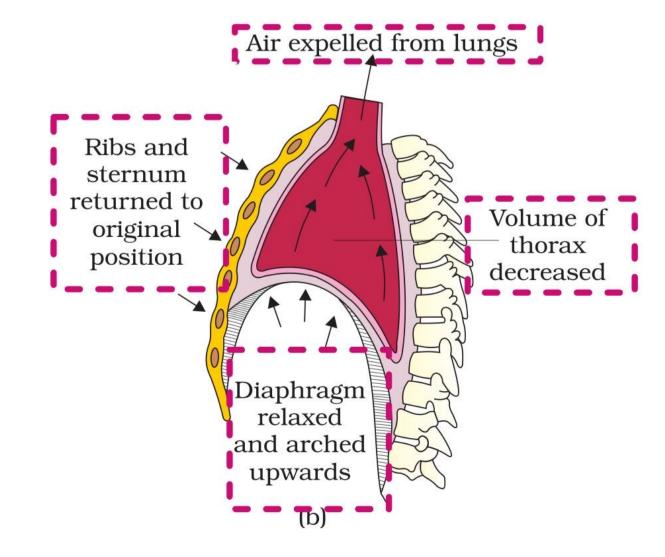
Due to their contraction there 9s I in volume

1 Pn Portra pulmonary poreceuse

on There is development of pressure gradient in blu Atmospheric pressure & pulmonary pressure

Air Moves outside





8) forced Inspiration & Expiration

Use of Internal Intercoactal Muscles of Abdominal Muscles