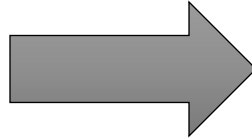


“How do our Lungs Work?”

Let's talk Biology!!!

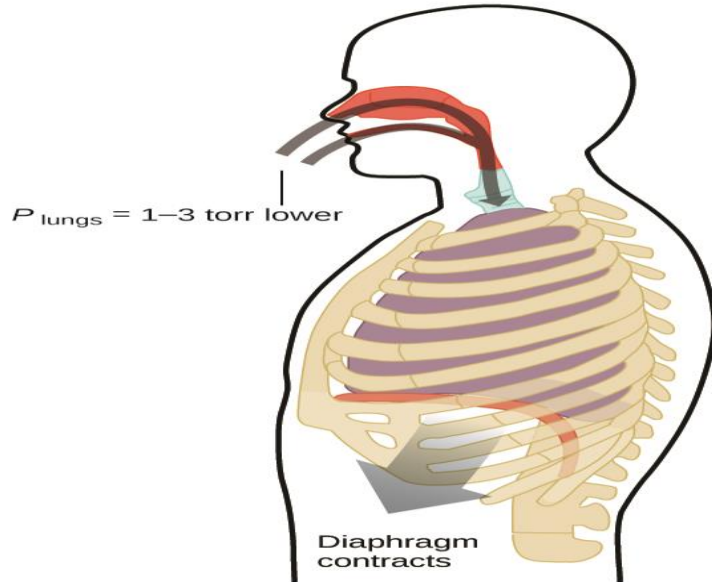
Can you explain the mechanism of breathing?



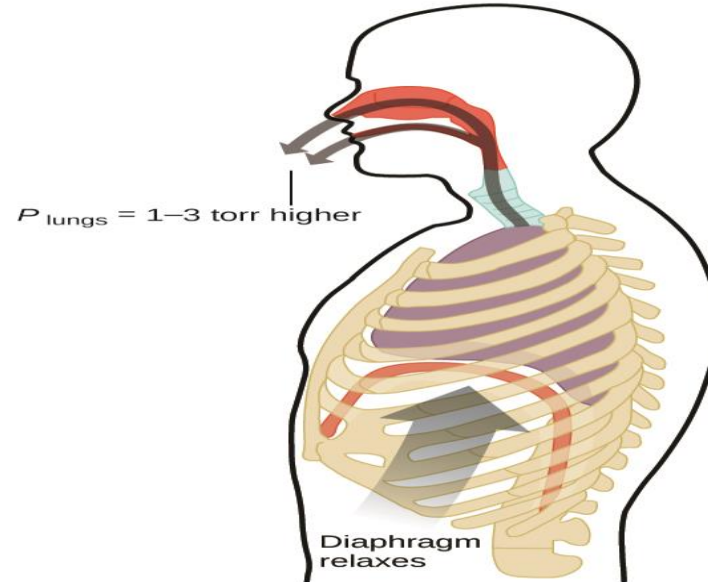
Now, let's connect it with Chemistry!!!

How does pressure and volume change when we inhale and exhale??

Inspiration



Expiration



Teacher notes

“How do our Lungs Work?” (STEM ACTIVITY)

- This activity can be used as a starter activity of Gas laws (mainly Boyle’s law)
- *Each group is provided with an A3 sheet with a diagram that illustrates inhaling and exhaling.*
- *They will utilize their prior knowledge of **biology** to understand the mechanism of breathing and connect it with **chemistry** in terms of inverse relationship between volume and pressure inside lungs.*
- *Encourage them to have group discussions and then a group leader comes forward to **demonstrate breathing, labelling parts of organs, show relation between pressure (P) and volume (V) inside the lung cavity.***