

Respiration → gas exchange between atmosphere & body.

Inspiration

pressure in lung (intrapulmonic)
is below atmospheric
pressure.

- contraction of diaphragm
& intercostal muscles

Lungs expand.

Pressure decreases.

This is active or
passive?

Active

① Pulmonary Ventilation
moving air in &
out of lungs.

② External Respiration
exchange between
Air in lungs & Blood

③ Internal Respiration
exchange between
Blood & tissues

④ Cellular Respiration
production of CO₂
& consumption of O₂.
This is also known as
Glucose catabolism

Expiration

muscles relax.

Elastic lungs recoil.

What disease is this
a problem with? ~~emphysema~~
emphysema (COPD)

Volume decreases.

Pressure increases.

This is active or

→ passive? Passive

How can it become
the opposite?
by contracting abdominal
muscles.

& has 3 steps:
① Glycolysis
② Krebs cycle
③ Electron Transport