Respiration

Inhalation

1) Take in ________ through the _______ / ________.

2) _________ contracts and pulls _____________.

3) __________ ___________ expands, produces a ___________ within the cavity.

4) Air is drawn into the _____________.

Exhalation

1) Diaphragm ___________ and moves _____________.

2) Thoracic cavity becomes _________________.

3) Air is ___________ out of the lungs.
External Respiration: bringing ______ into and out of the lungs; exchanging _______ for air.

1) Air is ______________ through the alveoli.

2) Oxygen passes into the surrounding ______________.

3) Oxygen is carried by _____________ or red blood cells to the body cells.

4) Waste product, ______________ _________ is transported to the airspaces of the lungs to be ______________.

Internal Respiration: exchange of gases _________ the cells of the body organs, ________, and tissues.

1) Oxygen passes from the ______________ into the cells.

2) Cells give off the _________ __________, carbon dioxide; it is passed into the ______________.

3) ________________ transports the carbon dioxide into the lungs.

4) Carbon dioxide is expelled during _________________.


**Inhalation**

1) Take in **air** through the **nose/mouth**.

2) **Diaphragm** contracts and pulls **downward**.

3) **Thoracic Cavity** expands, produces a **vacuum** within the cavity.

4) Air is drawn into the **lungs**.

**Exhalation**

1) Diaphragm **relaxes** and moves **upward**.

2) Thoracic cavity becomes **narrow**.

3) Air is **forced** out of the lungs.
External Respiration: *bringing air into and out of the lungs; exchanging gases for air.*

1) Air is **inhaled** through the alveoli.

2) Oxygen passes into the surrounding **capillaries**.

3) Oxygen is carried by **erythrocytes** or red blood cells to the body cells.

4) Waste product, **carbon dioxide** is transported to the airspaces of the lungs to be ________________.

Internal Respiration: *exchange of gases within the cells of the body organs, cells, and tissues.*

1) Oxygen passes from the **bloodstream** into the cells.

2) Cells give off the **waste product**, carbon dioxide; it is passed into the **bloodstream**.

3) **Blood** transports the carbon dioxide into the lungs.

4) Carbon dioxide is expelled during **exhalation**.