

## ASA Presentation Notes Lesson 4.3

Unit Name: Unit 4 Cells and Tissues

Lesson Topic: Lesson 4.3 Breathing and Beating

Presentation on: Respiratory and Circulatory Anatomy

Upper Respiratory Tract.

- Nose/mouth - entry and exit of air.
- Nasal Cavity - warms and moistens air.
- Pharynx - nose and mouth passages join.
- Larynx - vocal cords.
- Trachea - windpipe, attaches larynx to lung.

Lower Respiratory Tract.

- Bronchiole - small branches of the bronchi.
- Alveoli – air sacs where gas exchange occurs.
- Lung – main organ of respiration.
- Bronchi - two main branches of the trachea that lead to each lung.

Circulatory Parts and Their Function.

- Heart Parts:
  - 1.Right atrium – blood enters from vena cava, ↓ O<sub>2</sub>, ↑CO<sub>2</sub>
  - 2.Right ventricle – sends blood to lungs via pulmonary artery.
  - 3.Left atrium – blood returns from lung oxygenated via the pulmonary vein.
  - 4.Left ventricle – sends oxygen rich blood to the body via aorta.
  - 5.Capillaries – smallest vessel carrying blood, site of nutrient and gas transfer.
  - 6.Vena cava – large vein entering the heart.
  - 7.Aorta – main vessel that carries blood to all organs except lungs.
  - 8.Vein – carry blood toward the heart.
  - 9.Artery – carry blood away from the heart.

Finalize Activity 4.3.1 Show What I Know and answer Conclusion questions.

## ASA Reflection Page

List 5 key points that are important to remember from this presentation.

- 1.
- 2.
- 3.

4.

5.

List 3 ideas or concepts that this new information has in common with previous things learned.

1.

2.

3.

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.