

## I. Respiratory and Circulatory Systems

**A. Respiratory System:** A system of organs that work together to meet an animal's need for gas exchange.

**B. Circulatory System:** A system of organs that carries oxygen and nutrients to all the cells of the body.

1. The Heart pumps blood throughout the body.

There are four chambers in the heart.

- a) Left atrium
- b) Right atrium
- c) Left ventricle
- d) Right ventricle

2. The Heart is a muscular organ at the center of the circulatory system

3. **artery:** A blood vessel that carries blood away from the heart.

4. **Vein:** A blood vessel that carries blood back to the heart.

5. **capillaries:** tiny, very thin blood vessels.