

Cardiovascular System

1. Function of system:

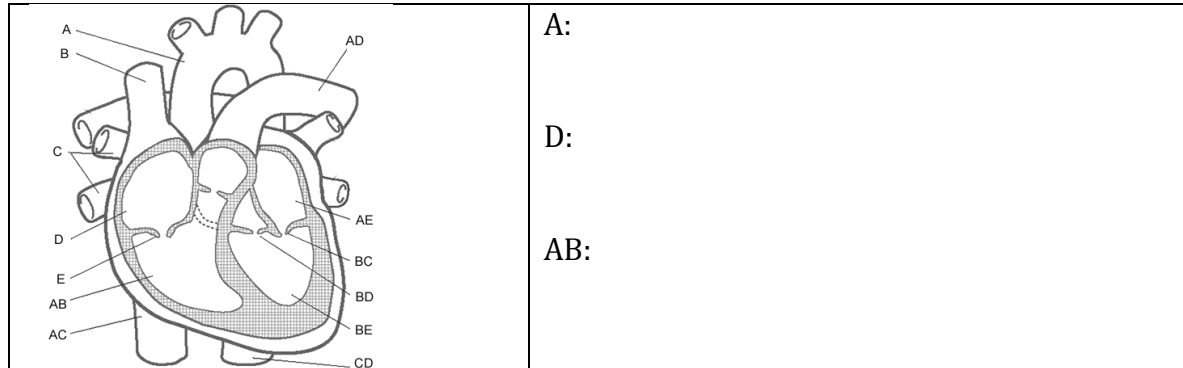
2. What is the function of each circuit:

Pulmonary Circuit	Systemic Circuit
DIFFERENCES	DIFFERENCES

3. Valves

- Function

4. Label the Pieces:



5. SA Node: What is the Purpose?

6. How and why are arteries and veins different?

Respiratory System:

___1. Which is the primary gas exchanged on Exhalation?

- A) CO
- B) CO₂
- C) O₂
- D) Both B and C

___2. What is the purpose of alveoli?

How does there structure fit their function?

___ 3. Name 3 functions of the nasal cavity:

___ 4. Where is the diaphragm located and what is its purpose?

Draw it:

Digestive System:

___ 1. What type of digestion occurs in the mouth?

- A) Enzymatic activity
- B) Chemical
- C) Mechanical
- D) B and C

___ 2. What is the function of the villi in the small intestine?

- A) Slow the progress of food through the intestine.
- B) Increase blood flow to the liver.
- C) Decrease the diffusion of nutrients.
- D) Increase surface area for more nutrient absorption.
- E) They help to further break up the food.

___ 3. Draw a picture of Villi:

___ 4. Draw and label the basic path through the digestive system from Mouth to Anus on a different piece of paper.

Summary Question:

___ 1. How does surface area relate to function in each of the body systems?

System	Circulatory	Respiratory	Digestive
↑ Surface Area found where in this system?			
Function of ↑ SA			