

Test Review Chp 30 Circulatory & Respiratory Systems

1. Can you explain how the blood flows in the circulatory system?
2. Can you explain the difference in veins and arteries?
 - a. What they carry
 - b. Where they carry to
 - c. What the pressure is like
 - d. How blood moves through them (valves in veins, pressure in arteries)
3. Can you explain what capillaries are and where they are found?
 - a. How do they help oxygen get to cells
4. Can you describe the chambers of the heart?
 - a. Identify names and location
 - b. Identify what kind of blood they accept
 - c. Identify where they pump blood to
 - d. Describe what they look like (muscle wall)
 - e. Identify the valves (four)
5. Can you explain what maintains the heart's regular rhythm?
 - a. AV node, pacemaker
6. Can you explain what blood pressure is?
 - a. Diastolic, systolic, (how is it related to atrial, ventricular)
7. What is hemoglobin and what is its role in the circulatory system?
8. Why is it said that the heart is two pumps?
9. What is the make up of blood? What is the function of these parts?
 - a. Plasma, red blood cells, white blood cells, platelets
10. Can you explain the following diseases?
 - a. Atherosclerosis, Arteriosclerosis, Hypertension, Stroke
11. What is the lymphatic system and how is it related to the circulatory system?
12. Can you explain how the diaphragm helps you breathe?
13. Can you diagram how air passes through the respiratory system, starting with the nasal cavity?
14. What function do alveoli have?
15. What does the pressure of oxygen and carbon dioxide have to do with breathing?
16. How does your body regulate your breathing?
17. Can you explain how smoking affects the respiratory system?
 - a. Irritated bronchi cells, destroyed cilia, increased risk of lung, bladder, pancreas, mouth, throat cancers, emphysema, increase risk of cardiovascular disease, addiction to nicotine
18. Can you identify the parts of the heart on Diagram A?
19. Can you draw the flow of blood on Diagram A?
20. Can you identify the parts of the respiratory system on Diagram B?
21. Can you draw the flow of air on Diagram B?
22. Can you explain what is going on in Diagram C?

Diagram A

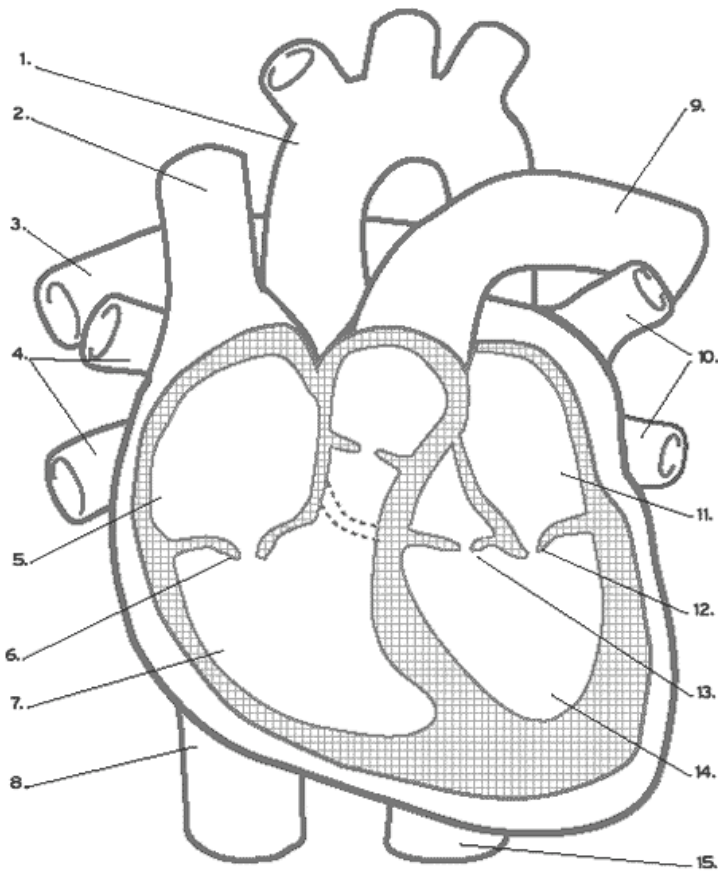


Diagram B

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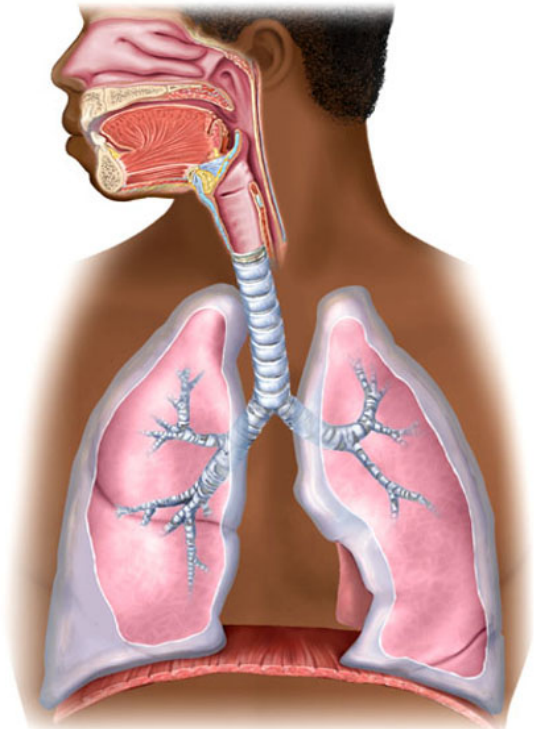


Diagram C

