Revision Human Biology Respiratory System and Cardiovascular System

Where does the exchanges of fluid, nutrients and wastes between the blood and the tissues occur? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the functions of the valves in the heart? Describe the difference between the “lub” and the “dup” of the heart (hint: describe what which valves are involved for which sound and which sound comes first)

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Draw a diagram of an alveolus and a capillary that surrounds it.

Label the diagram and show the flow of blood and describe

the colour change in the blood as it flows from one side of the

alveolus to the other

How does blood carry carbon dioxide? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How does blood carry oxygen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Describe the functions of platelets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name the different parts in the blood and describe their appearance and their function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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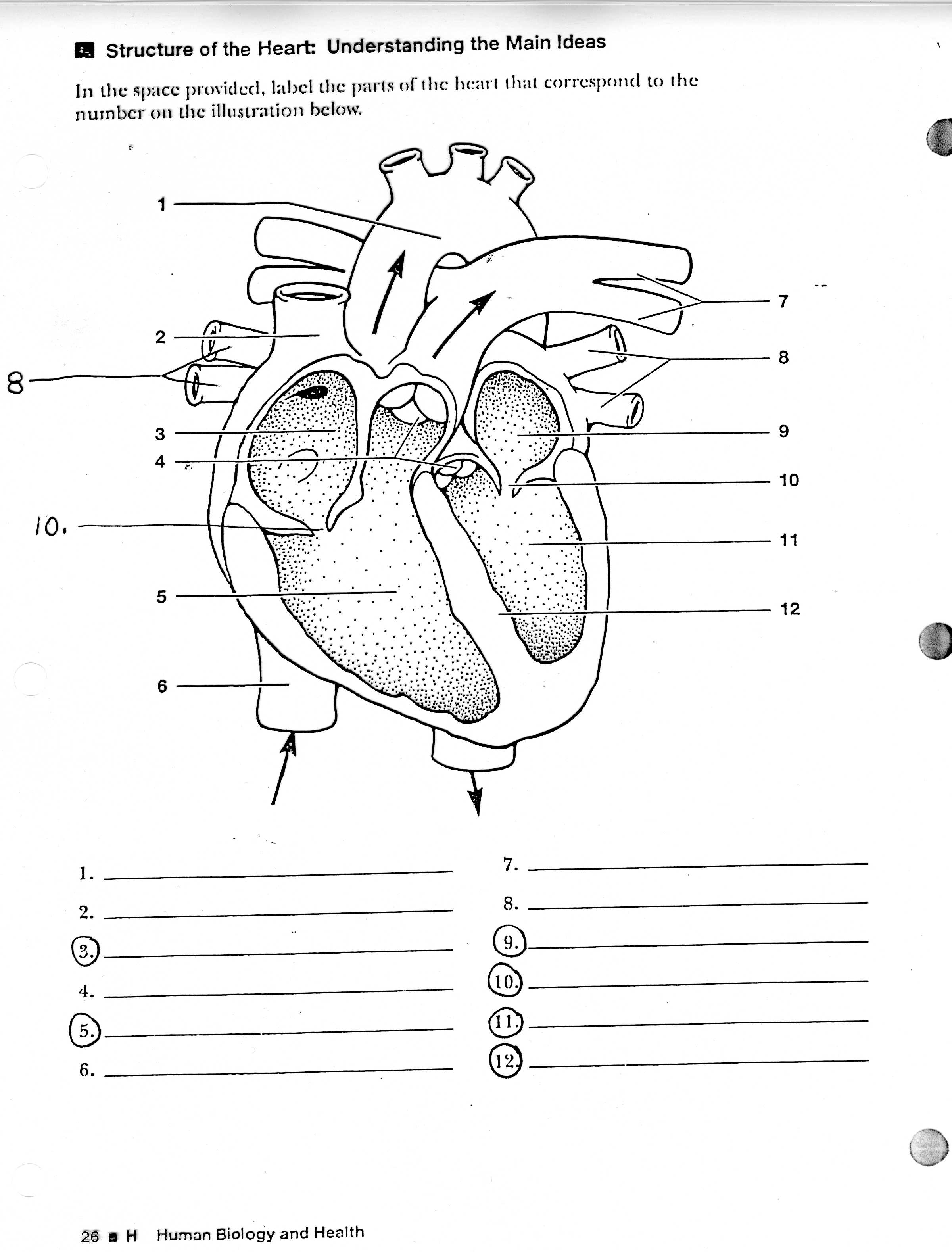
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What is systole and diastole? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Label the heart and describe the functions of each.

Describe the function of the tendinous cords attached to the atrioventricular valves and the heart wall

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Name the membranes that cover the heart and lungs

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Describe inspiration and expiration

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Describe how blood is pumped around the heart, lungs and body, include the chambers of the heart

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Draw and label the tissues of an artery, a vein and a capillary and describe the function of each vessel

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Describe how parts of the lungs assist in the exchange of gases

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