

# Term 2 Homework 1 January 7, 2022

Name: \_\_\_\_\_

1. Explain what is meant by double circulation. (3)

\_\_\_\_\_

2. Answer the following questions about the heart:

a. What type of tissues is the heart made of? (1)\_\_\_\_\_

b. What structures inside the heart keep blood flowing in the right direction?(1)\_\_\_\_\_

c. Explain why the walls of the ventricles are much thicker than those of the atria. (2)

\_\_\_\_\_

d. Which chamber of the heart has the thickest wall and why? (2)

\_\_\_\_\_

e. Which heart chamber pumps blood to the lungs? (1)\_\_\_\_\_

f. Which heart chamber is the first to receive blood from the lungs? (1)\_\_\_\_\_

g. Explain why the wall of the aorta is thicker than the wall of the pulmonary artery. (2)

\_\_\_\_\_

h. What is the function of coronary circulation? (2)

\_\_\_\_\_

i. List two ways in which blood in the pulmonary artery differs from blood in the pulmonary vein.(2)\_\_\_\_\_

\_\_\_\_\_

3. What side of the heart is:

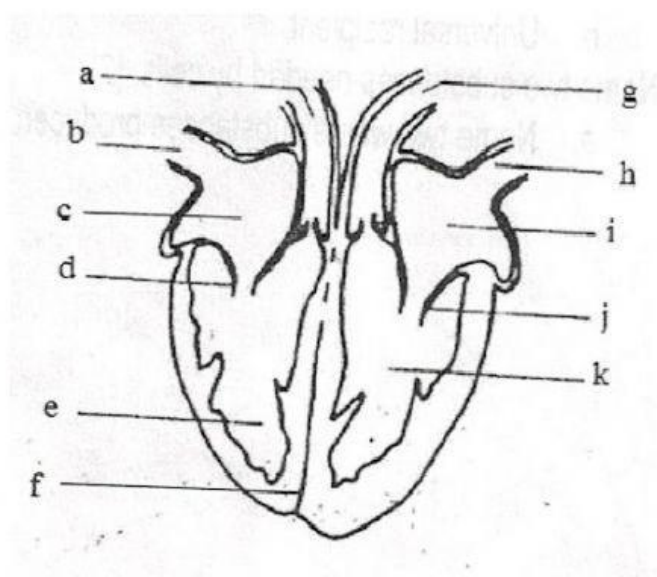
a. oxygenated \_\_\_\_\_

b. deoxygenated \_\_\_\_\_(2)

4. What is the function of the septum? (2)

\_\_\_\_\_

5. Label the diagram of the heart to the right. (11)



a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	