

### Worksheet - Cardiovascular System

1. BE SURE TO KNOW THE CARDIAC ANATOMY FROM YOUR LAB EXERCISE.
2. Blood pH must be maintained in a range from a low of \_\_\_\_\_ to a high of \_\_\_\_\_.
3. The formed elements of the blood include \_\_\_\_\_, **white blood cells**, and \_\_\_\_\_, which are cell fragments.
4. The main function of RBCs is \_\_\_\_\_ transport. This is accomplished by \_\_\_\_\_, the iron-containing pigment that makes the cells red.
5. The function of WBCs is to \_\_\_\_\_.
6. The function of platelets is \_\_\_\_\_. The technical term for this is **hemostasis**.
7. The cardiovascular system includes the \_\_\_\_\_ to pump blood and the **vessels**.
8. \_\_\_\_\_ carry blood TO the tissues, and \_\_\_\_\_ carry blood AWAY from the tissues.
9. The serous membrane of the heart is the \_\_\_\_\_, with a \_\_\_\_\_ layer covering the heart and a \_\_\_\_\_ layer lining the pericardial sac.
10. The 3 layers of the heart wall include the inner lining, called the \_\_\_\_\_, the thick muscular \_\_\_\_\_, and the outer \_\_\_\_\_, which is the same as the visceral pericardium.
11. The heart has 4 chambers, 2 upper \_\_\_\_\_ and 2 lower \_\_\_\_\_.
12. Between each upper and lower chamber on the left side of the heart is a valve called the \_\_\_\_\_ valve (also called the **mitral** valve). The one between the chambers on the right is the \_\_\_\_\_ valve.
13. Between the right ventricle and its artery is the \_\_\_\_\_ valve; on the left is the \_\_\_\_\_ valve.