

Worksheet – Cardiovascular System

1. BE SURE TO KNOW THE CARDIAC ANATOMY.
2. Blood pH must be maintained in a range from a low of 7.2 to a high of 7.6
3. The formed elements of the blood include red blood cells, **white blood cells**, and platelets which are cell fragments.
4. The main function of RBCs is oxygen transport. This is accomplished by hemoglobin the iron-containing pigment that makes the cells red.
5. The function of WBCs is to fight infection
6. The function of platelets is blood clotting The technical term for this is **hemostasis**,
7. The cardiovascular system includes the heart to pump blood and the **vessels**.
8. Arteries carry blood TO the tissues, and Veins carry blood AWAY from the tissues.
9. The serous membrane of the heart is the pericardium with a visceral layer covering the heart and a parietal layer lining the pericardial sac.
10. The 3 layers of the heart wall include the inner lining, called the endocardium, the thick muscular myocardium and the outer epicardium which is the same as the visceral pericardium.
11. The heart has 4 chambers, 2 upper atria and 2 lower ventricles
12. Between each upper and lower chamber on the left side of the heart is a valve called the bicuspid valve (also called the **mitral** valve). The one between the chambers on the right is the tricuspid valve.
13. Between the right ventricle and its artery is the Pulmonary Semilunar valve; on the left is the aortic semilunar valve.