

1. Know the functions of the circulatory system.
2. Know the composition of blood.
3. Be able to diagram the human heart and label the parts.
4. Trace the flow of blood through the heart in pulmonary circulation, coronary circulation and systemic circulation.
5. Be able to define and give the function of the following circulatory routes: pulmonary circulation; coronary circulation; portal circulation; renal circulation.
6. Know the following about the formed elements of the blood.

plasma	red blood cells
platelets	hemoglobin
antibodies	antigen
white blood cells	lymph
7. Know what substances are transported by the blood.
8. Know the substances involved in the clotting mechanism. Be able to diagram the clotting process.
9. Be able to describe the A,B, O, AB blood types.
10. Be able to describe the Rh factor.
11. Pathology and Etymology terms: hemophilia, hemorrhage, heart murmur, bruise, anemia, leukemia, transfusions, bypass surgery, thrombosis, myocardial infarction, atherosclerosis, clots, hypertension, embolus, sickle-cell anemia

Opportunity #10: Tentative date February 14, 2012

Mind Mapping project. Rubric to follow. Project due date February 15, 2012

Students will dissect a cow's heart following the exam.