**Blood Unit Study Questions**

1. What is blood plasma?
2. List 3 things found in blood plasma.
3. Your blood is what percent plasma and what percent cells?
4. What is the main function of red blood cells?
5. Name the molecule inside red blood cells that binds oxygen.
6. Name the 5 different types of white blood cells in order of abundance.
7. What is the main function of each type of white blood cell?
8. What is the main function of platelets?
9. Name the stem cell found in red bone marrow that produces blood cells.
10. Do red blood cells need to be replaced regularly? Why?
11. Name the signal that stimulates red blood cell production.
12. Describe a situation that would cause your bone marrow to make more red blood cells.
13. Describe a situation that would cause your bone marrow to make more white blood cells.
14. List and describe the four steps to form a blood clot.
15. Clot formation is a highly regulated process. Why?
16. You blood-type someone in the lab and see that anti-A antibodies attack the blood sample and anti-Rh antibodies attack the blood sample. What is the person’s blood type?
17. Someone who is B+ can receive what blood types? Why?
18. Someone who is O- can donate to what blood types? Why?
19. One parent is AB+ and the other is O-. What blood types could their children have? Show the punnett square(s).
20. Is it possible for parents who are A- and B- to have a child that’s B-? Show the punnett square(s).