

Name: _____

Part 1. Blood Typing.

Indicate the blood type of each of the four individuals you tested.

Mr. Smith _____

Mr. Green _____

Ms. Jones _____

Ms. Brown _____

Part 2. Red & White Blood Cell Counts.

Write down the number of cells you counted of each type in the space provided.

Hematocrit

Differential WBC Count (%)

View 1 _____

Neutrophils _____

View 2 _____

Basophils _____

View 3 _____

Eosinophils _____

View 4 _____

Monocytes _____

Total _____

Lymphocytes _____

x 2500 = _____ RBC/mm³

1. Assuming a ratio of 700 RBC's to 1 WBC, use your hematocrit count to determine the total number of white blood cells you would expect to see in this same sample of blood.

2. Using the information in chapter 19 of your textbook, identify 1 type of condition that might generate an abnormally high or low hematocrit count. Be sure to explain why the effect occurs.

3. Using the information in chapter 19 of your textbook, identify two types of disorders that would generate an abnormal differential white blood cell count. In each case, indicate specifically which white blood cells are affected and how they are affected.