One of the most common blood analyses performed by a laboratory is a differential achieve blood to determine the relative of each type. This can give important types of leukocytes in a blood to determine the relative will cause. One of the most common blood analyses performed by a laboratory is a differential arbitre blood cell count of each type. This can give important information about the counted to determine the relative will cause an elevation of different type. conditions will cause an elevation of different types of leukocytes in a blood sample are counted to determine the by a laboratory technician, as you will do here. Now, however, they are by a laboratory technician, as you will do here. Now, however, they are generally done by a machine, but the reclanician

1 Obtain a blood spreament of the support of the

 Obtain a blood smear slide, and scan it on low power to find an area where the cells appear to be evenly distributed.
 Advance the microscope objective to a power high area. 2 Advance the microscope objective to a power high enough for you to distinguish between the different types of might be necessary. leukocytes. For some microscopes, medium power high enough for you to distinguish between the different types might be necessary.

Scan the slide for leukocytes, and create a running tally of the number of each type you find below. Do this until you have counted 100 total leukocytes.

Monocytes Neutrophils Eosinophils Lymphocytes Basophils

Total the number of each leukocyte you counted, and record these data in Table 20.2. Refer to Table 20.1 in the Pre-Lab Exercises (p. 532) or Exercise 20.1 for blood. I Pre-Lab Exercises (p. 532) or Exercise 20-1 for the predicted percentage of each type of leukocyte in the blood. How do the totals you found compare with the predicted percentage of each type of leukocyte in the blood. do the totals you found compare with the predicted percentages?

TABLE 20.2 Differential White Blood Cell Totals

Leukocyte	Number Counted	Percentage (of 100)	Predicted Percentage
Neutrophils			13 7 7 9 9
Eosinophils			
Basophils			
ymphocytes			
onocytes			