

Blood Cells/Blood Vessels Lab Activity Name _____

Use the [slide pdf file](#) to assist your work.

- I. Observe the graphic in slide 1 and compare using one or more sentences, compare the relative thickness of the walls of these blood vessels.

- II. Using slides 1 and 2, explain how the structure of the capillary wall relates to its function.

- III. Observe the blood smear diagram # 3 and identify a red blood cell, white blood cell, and platelet in the diagram.

- IV. Observe the blood smear in slide 3. State two ways you were able to identify the white blood cell in the picture.

- V. Observe the blood smear in slide 4. State a possible disruption of homeostasis which could cause this abnormal appearance.

VI. Complete the following charts

<u>Blood Vessel</u>	<u>Direction of Flow</u>	<u>Function</u>	<u>Presence or Absence of Valves</u>
artery			valves absent
capillary	exchange of materials with the ICF and cells	exchange of materials with the cells of the body	
vein			

<u>Blood Cell Category</u>	<u>Function</u>	<u>Relative Size and Shape</u>	<u>Relative Numbers</u>
red blood cell			Greatest in number
white blood cell		variable shape and largest in size	
platelet			