

## Cell Biology

### Blood Cells

Name: \_\_\_\_\_

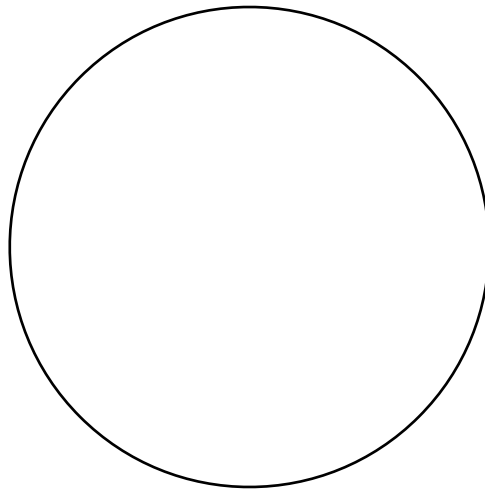
Period: \_\_\_\_\_

Use the slide strip #10 and a plastic microscope for this. Use colored pencils to make a drawing in the circle of what you see. Then, answer the questions using what you observed and information from the paragraph below.

Circle #2 shows 2 types of cells found in human blood. The ones that look like doughnuts (most of the cells in the image) are called red blood cells. They are flat disks that are thinner in the middle than at the edge; the thicker edges make the outside of the red blood cells look darker than the middle. Red blood cells are a good example of specialized cells in your body. They have no nucleus, never reproduce, and contain a special chemical (hemoglobin) to help them carry gases (oxygen and carbon dioxide) to other cells in your body. The other specialized cells in this image are labeled "A" and "B". These are white blood cells (stained purple so you can see them). White blood cells eat up bacteria, viruses, and other things that can make you sick. They have nuclei, unlike red blood cells. Both kinds of blood cells are made in your bone marrow.



When you draw, do NOT draw the letters and lines you see on the photo!



1. Which type of blood cell does not have a nucleus? \_\_\_\_\_
2. Which type of blood cell does have a nucleus? \_\_\_\_\_
3. What is the specialized job of a red blood cell? \_\_\_\_\_  
\_\_\_\_\_
4. What is the specialized job of a white blood cell? \_\_\_\_\_  
\_\_\_\_\_
5. Where are blood cells formed in your body? \_\_\_\_\_
6. Write the terms **red blood cell**  and **white blood cell**  outside of the circle, and draw a line from the term to part of your drawing so it touches that part in the drawing.