

# Tissue Identification Lab

Every tissue in your body falls into 1 of 4 categories; Epithelial, Connective, Muscle or Nervous. Each type has very unique and distinctive characteristics that can make it easy to tell them apart. Problem is, I am not telling you what they are. You have to figure that out by yourselves. You will look at the photos of the different tissues on the computer and find the differences that are meaningful to you.

Use the front and back of this paper to list the Unique Structural Characteristics of each of the 4 tissues. You can organize it as a chart, in sections or any other way that works for you. Your explanations don't necessarily need to make sense to me. You are the one who will have to ultimately use what you create on a Lab Practical testing your ability to recognize and locate different tissues in the microscope and on the computer.

After you have described each of the 4 categories, you will need to sketch and / or describe each tissue on the Histology Info Sheet. There is a space to the left of each tissue for you to draw and write how you can recognize that particular tissue among all of the others.

Once you have done that, it is time for you and your group to prove you know what you are doing. Using the Histology Lab ID sheet and a microscope, you will have to locate the tissues you choose on a slide or perhaps on the computer. The point is, you will see lots of stuff, but only some of it is the tissue you are looking for. You need to correctly identify the tissue on the slide by focusing the scope and placing the pointer on the appropriate tissue. You must then explain to me how you know that was it. You don't need to wait until the end to do this. If you know you can identify the tissue in the first 10 minutes of the lab, go for it.

Oh, one catch!! This is a group activity. When you are ready to walk the walk, I will use the popsicle sticks to choose only 1 member of the group to perform the identification. That person's performance will determine the group's grade on that task. So make sure you are all ready before you take a shot at it.

If you fail that one, it is not over. You need to identify the number indicated from that group. If you miss one, you can try the others. The only way to fall short is if you fail to identify so many that there are not enough left to meet the quota. For example, there are 6 epithelial tissues and you need to identify 3. You can mess up on 3 of them and get the other three right and you pass. Get 4 wrong and now your best score can only be a 2 out of 3. Get it?

