Sci 8 Types of Microscopes Name:

*Read pages 11-13 of your text book answer the following questions:*

1. What is the proper way to carry a microscope? (See Figure 1.7)
2. What was the approximate magnification of Leeuwenhoek’s first microscopes?
3. Complete the following chart of the functions of the part of the light microscope:

|  |  |
| --- | --- |
| Part | Function |
| Eye piece |  |
| Arm |  |
| Coarse Focus Knob |  |
| Fine focus Knob |  |
| Objective lenses |  |
| Revolving nosepiece |  |
| stage |  |
| Light source |  |
| Base  |  |



1. Label the parts from the chart on the image:
2. Name three parts of the microscope that are named after human body parts.

*Read pages 18 - 19 of your text book answer the following questions:*

1. Which microscopes use a *beam of electrons* to produce an image instead *of a beam of light*?
2. Which light microscope is most often used to study cells in a laboratory?
3. Compare the relative magnification of a light microscope to that of an electron microscope.
4. What is needed to properly use a fluorescence microscope?
5. What is the magnification of a fluorescence microscope?
6. Which microscope has the highest magnification of all of these?