

CONCEPT: INTRODUCTION TO MICROSCOPES

● Microbes are simply too _____ for our eyes to see & require the aid of _____ to visualize them.

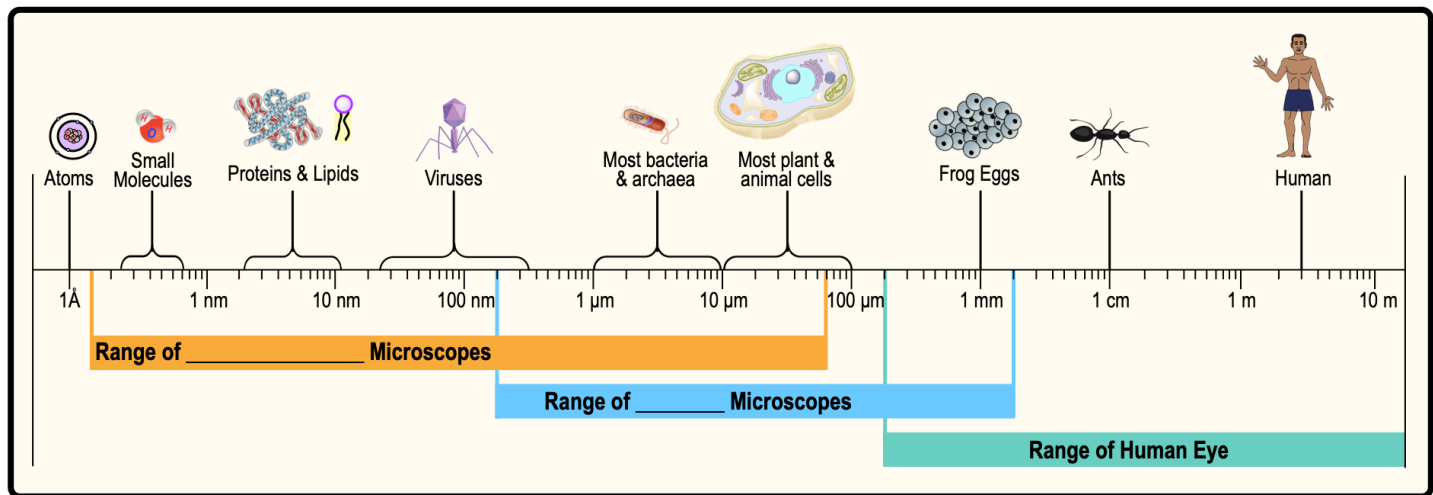
□ **Microscope:** an optical _____ used to visualize _____scopically *small* objects (ex. *cells*).

□ _____ main types of *microscopes* are commonly used:

1) **Light Microscopes:** uses visible _____ to magnify small objects.

2) **Electron Microscopes:** uses _____ for a *higher magnification* of even smaller objects.

EXAMPLE: Ranges of the Human Eye, Light Microscopes, & Electron Microscopes.



PRACTICE: The basic unit of life is a cell. What type of microscope can be used to visualize prokaryotic cells?

- a) Light microscope.
- b) Electron microscope.
- c) Both light and electron microscopes.
- d) None of the above, cells can be seen with the human eye.

PRACTICE: Which type of microscope would be the BEST selection for the examination of muscle proteins?

- a) Light microscope.
- b) Electron microscope.
- c) No microscope would be needed to visualize muscle proteins.