**Science Review Sheet For Microscopes and Magnification Unit Test**

\*You need to know all terms and concepts from investigations 1-5. Using my PowerPoints as well as Quizlet will help you to review terms. Remember-I print out a page from Quizlet and use it as part of the test. You should also use the lab book (in your 8 pocket folder) to study concepts.

\***Total** Magnification example: You use the compound microscope to view the letter e slide with the 4X objective. What is the total magnification?

You need to know that the eyepiece is always 10X, so you would figure out total magnification by multiplying 10X and 4X= 40X.

\***Power** of magnification example: You use a hand lens to view a specimen. The width of the object is 2 CM and the width of the image is 20 CM. What is the power of magnification of the hand lens?

20 divided by 2= 10, so the answer is 10X.

\*The more bulged out a lens is, the more light is refracted.

\*The **objectives** on a microscope **refract** light.