**QUESTIONS TO HAND IN – EXPERIMENT 13**

**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**LAB INSTRUCTOR\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_LAB DAY/TIME\_\_\_\_\_\_\_\_\_\_ \_ \_\_**

**1.** Explain how you would be able to tell the difference between a converging and a diverging lens.

**2.** What does the term *focal length* mean?

**3.** What is the difference between a *real* and a *virtual* image?

**4.** A simple magnifying glass is a common example of how we use converging lenses in an everyday application. Is the image real or virtual with a simple magnifier?

**5.** If an object is initially placed at a distance where the image is equal to it in size, what is the object distance *do* in terms of the focal length *f*?