

## Lesson 8: Magnification Power

### OPENER

- ❖ **(REVIEW)** How much does a hand lens magnify the letter e? Come up with a way to measure this. Write your answer in your lab notebook, and show how you found it.
- ❖ Suppose you had a lens that magnified 4x and another lens that magnified 10x. How much could you magnify the e using the two lenses together? Why?



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### EXTENSION

- ❖ Find a way to quantify how much of the object you can see with each objective. Can you actually measure the field of view? Write out your notes/ calculations as you work.

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### EXIT CARD

- ❖ Why do these microscopes have 3 different objective lenses? What are the advantages and disadvantages of each?

### HOMEWORK

- ❖ Study your microscope study guide and the procedures for focusing the microscope. (There will be a quiz on \_\_\_\_\_.)