



Name \_\_\_\_\_

Read the directions for each section on the cards provided at each station. Write all answers on this worksheet! Do not make any marks on the materials at each station!

### Station 1 - Solve the Mystery

- |          |           |           |
|----------|-----------|-----------|
| 1. _____ | 9. _____  | 17. _____ |
| 2. _____ | 10. _____ | 18. _____ |
| 3. _____ | 11. _____ | 19. _____ |
| 4. _____ | 12. _____ | 20. _____ |
| 5. _____ | 13. _____ | 21. _____ |
| 6. _____ | 14. _____ | 22. _____ |
| 7. _____ | 15. _____ | 23. _____ |
| 8. _____ | 16. _____ | 24. _____ |

### Station 2 - Make It Simple

1. Complete the chart to show your observations using the water drop and hand lenses.

Lens	Observations	Distance from Page
Single Drop of Water		
Two Drops of Water		
Three Drops of Water		
Hand Lens		

2. What do you predict would happen to the magnification if you used more drops of water?
3. How does the view of the “e” with the hand lens compare to the water lens?

### Station 3 – Select-A-Slide

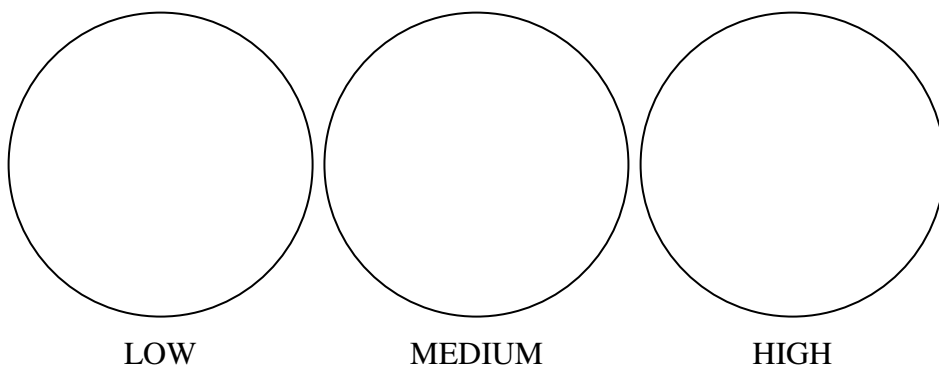
1. Read the station card to answer these questions:

- What should you do before viewing a slide? \_\_\_\_\_
- Which objective provides the highest magnification - short, medium, or long? \_\_\_\_\_
- What is the warning? \_\_\_\_\_

**Name of Specimen:** \_\_\_\_\_

2. View some of the prepared slides and then select one to draw. Draw a view of this specimen at three different powers of magnification – low, medium, and high.

3. How does the view of the specimen compare as the power of magnification increases? Write at least one sentence that summarizes your observations.



### Station 4: Pond Water Critters

1. Read the station cards to answer the following questions:

- a. What is the name of the piece that is used to cover the drop of water? \_\_\_\_\_
- b. Which objective should be used first - low, medium, or high power? \_\_\_\_\_
- c. What do you need to do when you are done at this station? \_\_\_\_\_

2. After you have viewed a few drops of pond water, write at least two sentences to summarize your observations. Be sure to include the names of the organisms you were able to identify.

### Station 5: Scope Basics

**Ratings:** 😊 = Great    😐 = OK    ☹️ = Poor

Activity	Rating	Best Time (Optional)
#1 - Vocab Challenge	😊 😐 ☹️	
# 2 - Parts & Pieces	😊 😐 ☹️	

### Station 6: MicroMania Online

Activity	Rating
#1 – Where in the world?	😊 😐 ☹️
#2 – Microscope Parts Quiz	😊 😐 ☹️
#3 – Microscope Mania Game	😊 😐 ☹️