Letter-e microscope lab: student record

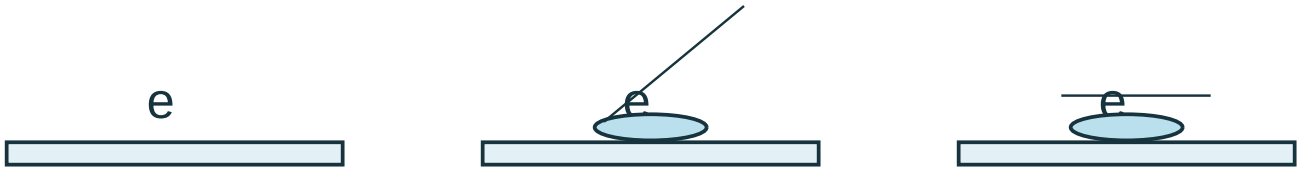
Name: _____ Class: _____ Date: _____

Use with the procedure at biologyjunction.com/microscope-lab/.

Read the safety notes first. Have your teacher approve each change in power.

Preparing a wet mount of a printed letter

1. Place the letter
2. Add one small drop
3. Lower coverslip gently



Lower the coverslip at an angle to reduce air bubbles. Blot excess water at the edge.

Side-view schematic; not to scale. Keep water away from electrical connections.

Draw the letter in normal reading orientation before preparing the slide: _____

Lowest power

Total magnification: _____

Next approved power

Total magnification: _____

1. Compare the image orientation with the letter on the slide.

2. Describe how much of the letter is visible at each power.

Letter-e microscope lab: measurements

Name: _____ Class: _____ Date: _____

Total magnification = eyepiece power x objective power

Objective used	Eyepiece power	Objective power	Total
Lowest			
Next approved			

3. When the slide moves right, which way does the image move?

4. When the slide moves upward, which way does the image move?

5. Why must you center the letter before switching to higher power?

6. Why can a larger image still look blurry?

7. Write a safe cleanup and storage checklist for your instrument.