

## Microscopy Virtual Lab:

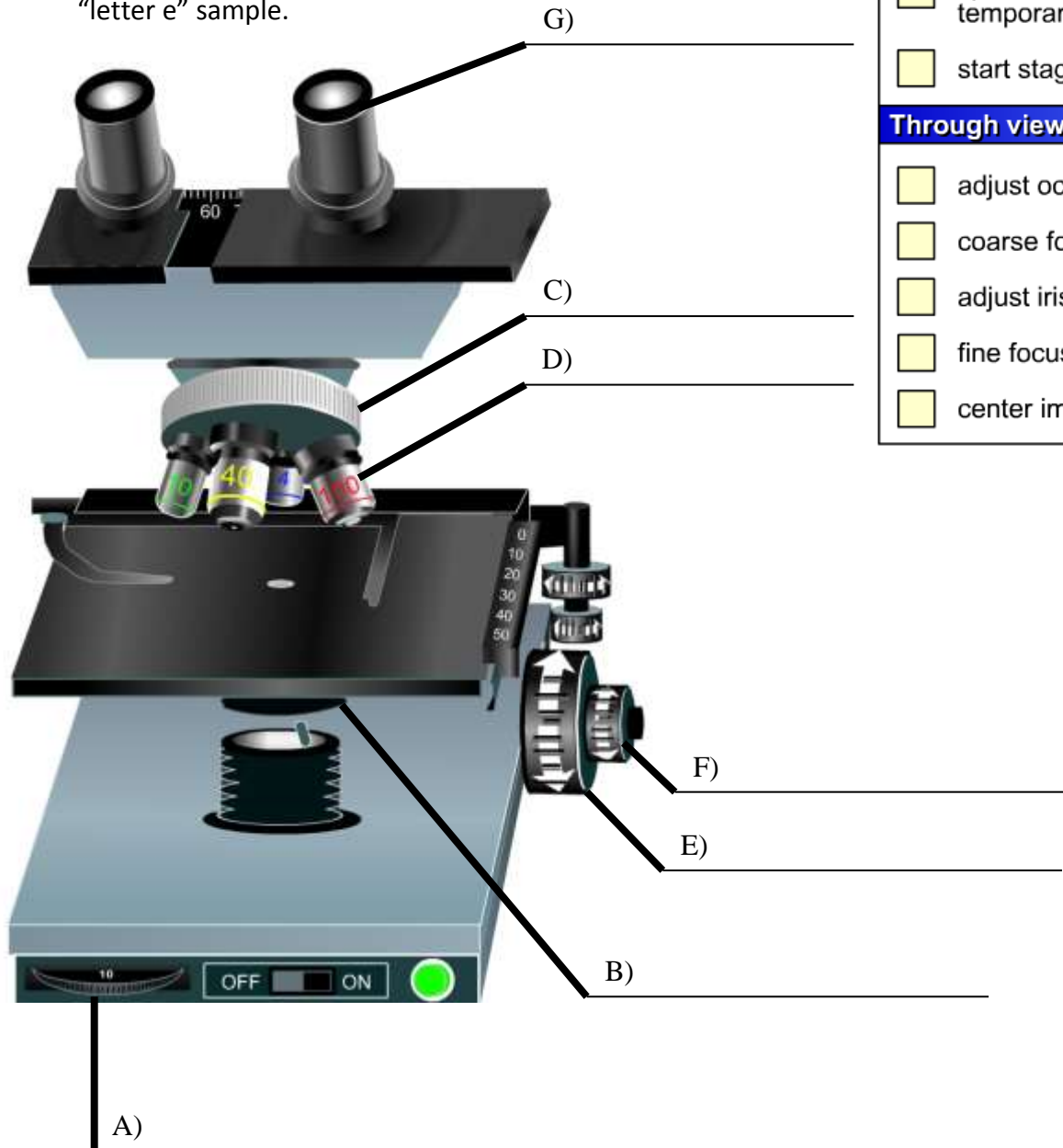
### A Web-Based Simulation for Students Learning to use a Compound Microscope

Find the virtual microscope at

<http://www.udel.edu/biology/ketcham/microscope/scope.html>

Follow the animation through the sequence of steps to complete the checklist:

1. Label the parts of the microscope as they are mentioned in the animation. When prompted to select a slide, please view the "letter e" sample.

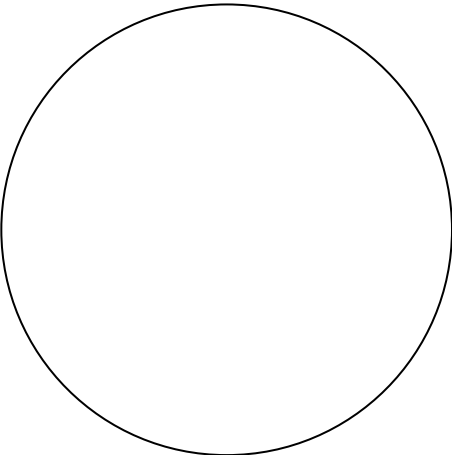
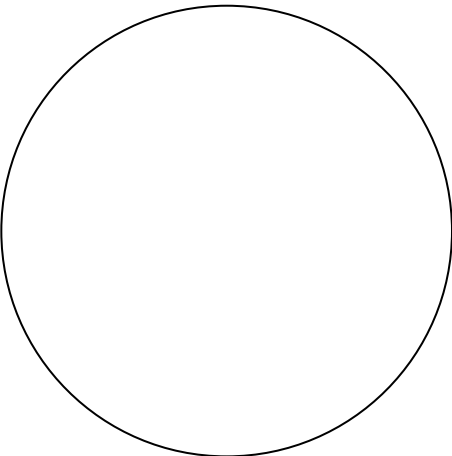
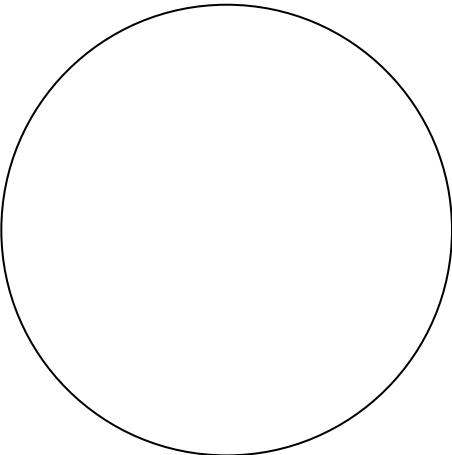


| At view checklist        |  |
|--------------------------|--|
| <input type="checkbox"/> | light on   |
| <input type="checkbox"/> | rheostat at 10                                       |
| <input type="checkbox"/> | slide chosen   |
| <input type="checkbox"/> | scanning (4X) lens in place                          |
| <input type="checkbox"/> | specimen centered (open iris temporarily to do this) |
| <input type="checkbox"/> | start stage at top position                          |

| Through view checklist   |                       |
|--------------------------|-----------------------|
| <input type="checkbox"/> | adjust oculars        |
| <input type="checkbox"/> | coarse focus          |
| <input type="checkbox"/> | adjust iris diaphragm |
| <input type="checkbox"/> | fine focus            |
| <input type="checkbox"/> | center image          |

**NOTE:** this virtual microscope is a little different from ours at SHS. We don't have clips to hold our slides and we have a singular eye piece.

2. Draw the "letter e" sample (as close to scale as possible) for each objective lens magnification.

|                      |   |
|----------------------|---|
| <b>4x objective</b>  |    |
| <b>10x objective</b> |   |
| <b>40X objective</b> |  |