

Discovering the Microscope packet answer key

Diagram:

1. eyepiece (ocular lens)
2. body tube
3. nose
4. low power objective lens
5. high power objective lens
6. stage
7. stage clip
8. diaphragm
9. light
10. base
11. coarse adjustment knob
12. fine adjustment knob
13. arm

Total magnification example:

eyepiece = 10x

low power = 15x

Total = eyepiece x objective

= 10 x 15

=150x

Body Tube- keeps the eyepiece and objective lenses properly spaced

Stage- holds slide

Stage clips- holds slide in place

Light source- lets you see the slide

Object before & after (to see how image will look under microscope, turn your paper upside down and draw how it looks) * this is the equivalent of the microscope flipping the image upside down and backwards

Objects appear to move in the opposite direction - to center the x under the microscope you would have to move the slide to the left and up