

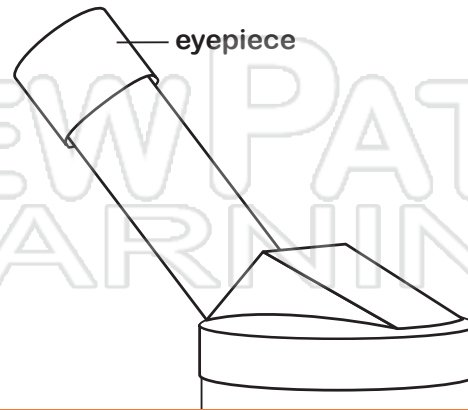


Name _____ Class _____ Date _____

A **microscope** allows observation of objects that are **not visible** to the human eye. A light **compound microscope** uses **two convex lenses** to magnify an object. Light first passes through a specimen and then through the **objective lens** and the **eyepiece lens**. These lenses **magnify** an image by bending the light that passes through them.

Using the microscope

1. Rotate the **low-power objective** into place.
2. Turn on your **lamp microscope** or position the **mirror** so that the opening in the **stage** is evenly illuminated.
3. Place a prepared slide on the stage and clamp it down with the **stage clips**.



4. Use the **fine adjustment** knob to focus the low-power objective.

5. When the specimen is in focus, turn the **coarse adjustment knob** until the specimen is in focus.

6. Rotate the **objective lens** until the desired objective is in place.

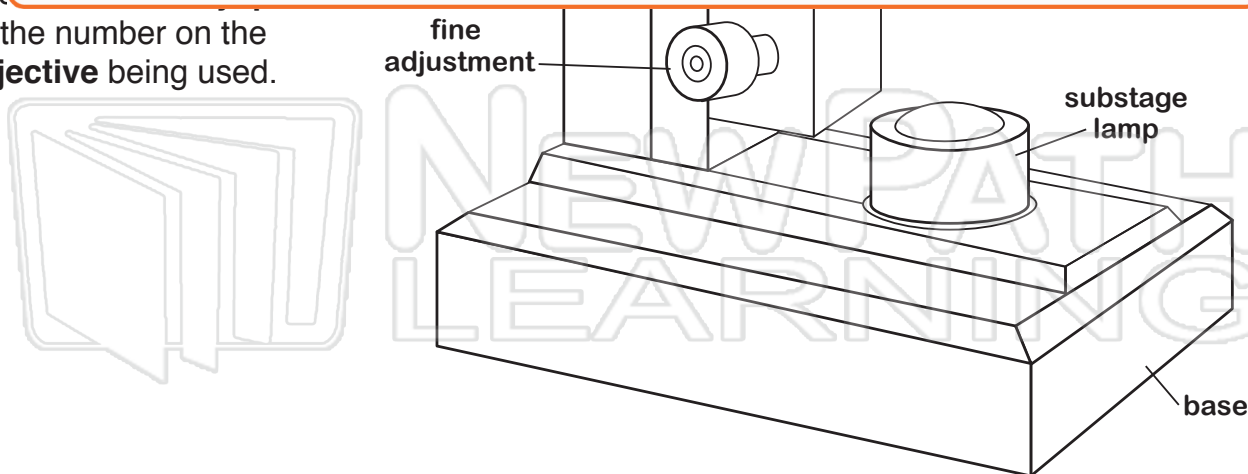
7. To observe the specimen, look through the **eyepiece** and adjust the **fine adjustment knob** until the specimen is in focus.

by the number on the **objective** being used.



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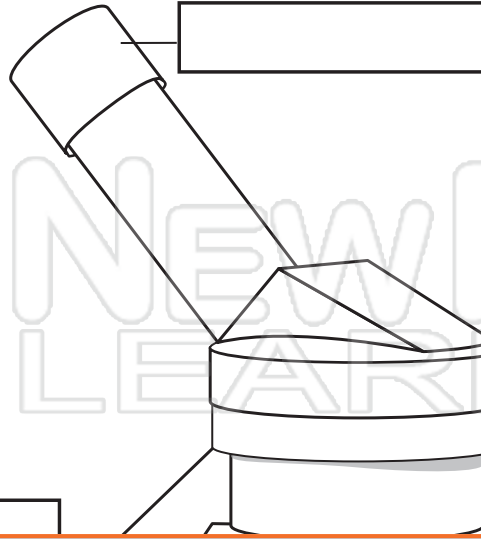


The Compound Microscope

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Name _____ Class _____ Date _____

Label the parts of a compound microscope.

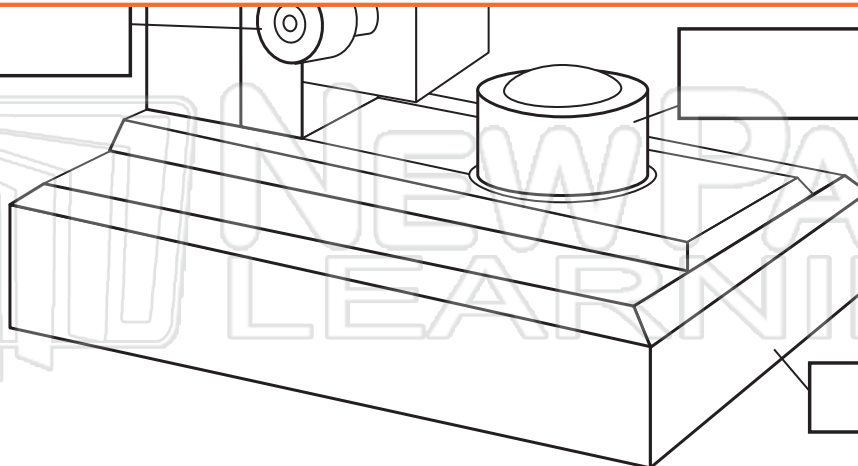


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The Compound Microscope

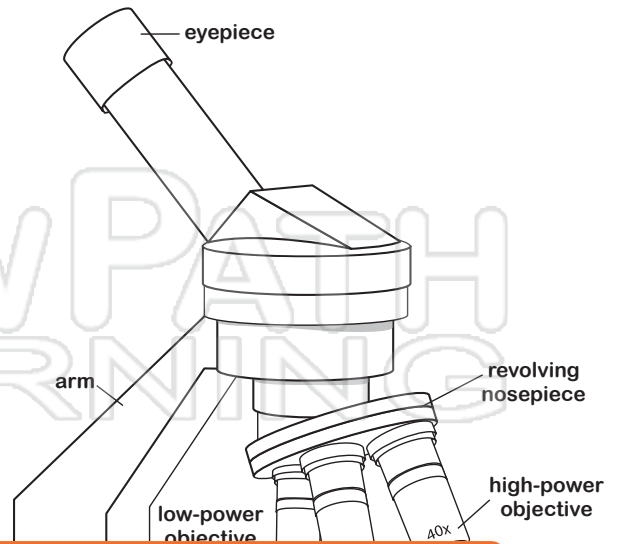
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Name _____ Class _____ Date _____

Fill in the blanks to **describe** how to use a compound microscope.

1. Rotate the _____
objective into place.

2. Turn on your _____
_____ or position the **mirror** so that the
opening in the _____ is
evenly illuminated.



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on the slide is in view. Then, turn the _____ to **sharpen**
the focus.

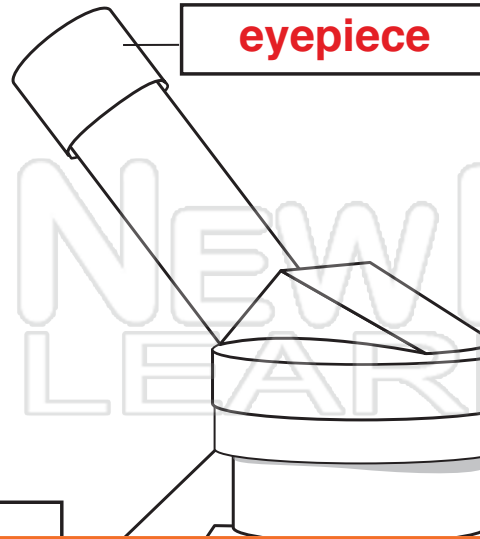
6. Rotate the _____ into its place for a closer look.

7. To determine the _____ of the specimen on the slide,
multiply the number inscribed on the _____ by the
number on the _____ being used.



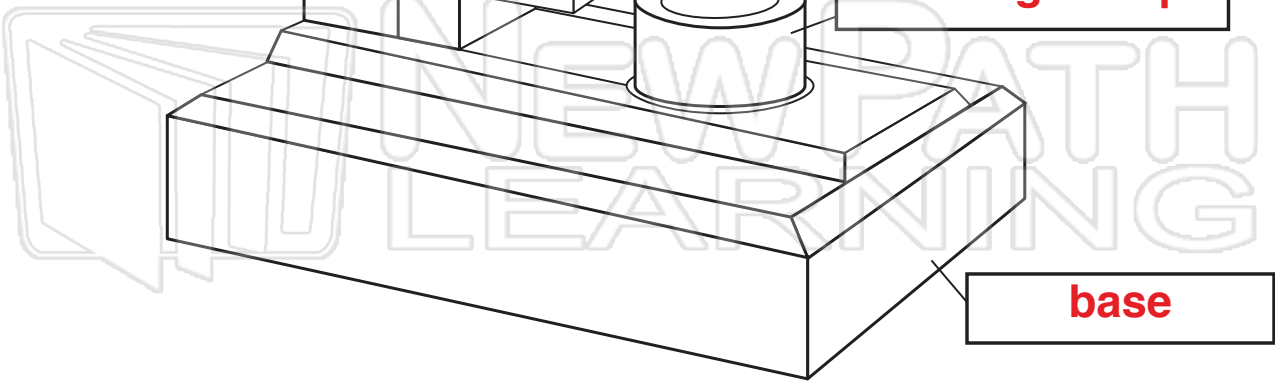
Answer Key

Label the parts of a compound microscope.



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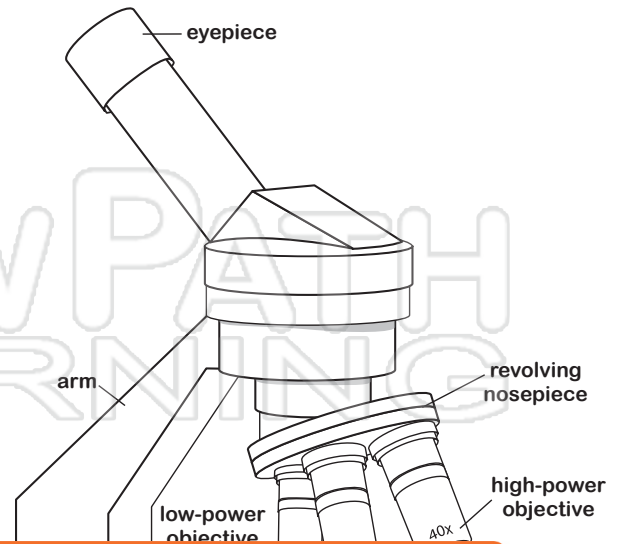


Answer Key

Fill in the blanks to **describe** how to use a compound microscope.

1. Rotate the **low-power objective** into place.

2. Turn on your **lamp microscope** or position the **mirror** so that the opening in the **stage** is evenly illuminated.



3. Place

and

4. Use

known

level

5. When

adjust



PREVIEW

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on the slide is in view. Then, turn the **tine adjustment** to **sharpen** the focus.

6. Rotate the **high-power objective** into its place for a closer look.

7. To determine the **magnification** of the specimen on the slide, **multiply** the number inscribed on the **eyepiece** by the number on the **objective** being used.