



Making Things Bigger

The microscope increases the resolving power of the human eye.

Owning my learning: The learning intentions or goals for the unit are listed below. Completing this table can help you determine what you know and the level to which you know it. Place a check mark in the box that best describes your learning level at the beginning of the learning and after we have learned together. The columns are numbered 1 to 4 to indicate the following levels of proficiency:

- | | | | |
|----------------|-----------------------------|--------------|-------------------------|
| 1 Emerging | "I'm just getting started." | 2 Developing | "I get some of it." |
| 3 Accomplished | "I get it." | 4 Extending | "I can teach a friend." |

Be honest with yourself as you complete the checklist to filter what you know from what you don't know and remember to study efficiently and effectively, study what you don't know.

I Can Identify:

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

the parts of a compound light microscope and describe the function of each part
how an object would look when viewed through the microscope

I Can Determine:

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

the total magnification at low, medium and high power

I Can Obtain:

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

a clear image at low, medium and high power

I Can Use:

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

lab equipment to make a dry mount slide
lab equipment to make a wet mount slide
the microscope to clearly focus on life in a sample of pond water

I Can Explain:

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

the difference between object and image
how field of view changes with magnification
how resolving power changes with magnification
how depth of field changes with magnification
the difference between a light microscope and an electron microscope

