



What Can We See Under A Microscope?

Directions:

1. Observe the Power Point presentation your teacher shows you.

2. Answer the questions below from the first 4 slides.

3. Draw the photographs and answer the questions for each slide. Be sure to write the title of the slide and the magnification under the line. The first one is done for you.

1. An instrument that helps the eyes to see tiny objects is the _____.

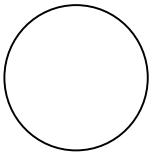
2. What is in a microscope that enlarges things so our eye can see them? _____

3. What does a lens do to light? _____

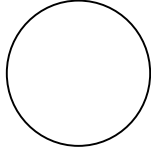
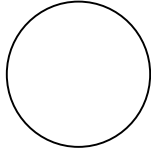
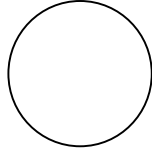
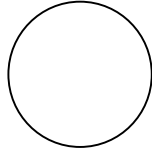
4. How were the photographs on the slides taken?

5. What does the number 40x mean?

6. What does the word “stained” mean?

<p>1</p>  <p>The letter “e” (10x)</p>	<p>7. What is different about viewing objects under a microscope?</p> <p>_____</p>
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<p>2</p>  <p>_____</p>	<p>8. What does breathing in pollen cause?</p> <p>_____</p>
<p>3</p>  <p>_____</p>	<p>9. Where was the Hydra found?</p> <p>_____</p> <p>10. What do they use the tentacles for? _____</p>
<p>4.</p>  <p>_____</p>	<p>11. What do the bacteria on this slide do?</p> <p>_____</p>
<p>5.</p>  <p>_____</p>	<p>12. Why are the white blood cells stained purple?</p> <p>_____</p> <p>13. What are the two different types of blood cells seen in the slide?</p> <p>_____</p>



<p>6</p> <div data-bbox="142 261 289 410"></div> <p>_____</p>	<p>14. Where did these shells come from? _____</p> <p>15. What are the animals that made the shells called? _____</p>
<p>7</p> <div data-bbox="142 709 289 859"></div> <p>_____</p>	<p>16. What organism did this slide come from? _____</p> <p>17. What do the large holes do? _____ _____</p>
<p>8</p> <div data-bbox="142 1136 289 1286"></div> <p>_____</p>	<p>18. What type of microscope let us see this virus? _____</p> <p>19. What is different about this slide than all the other slides? _____ _____</p>

Below you will see three close up pictures taken with a camera and a microscope. Look at them closely and guess what they are.

Picture	What is it?
	
	
	



Name _____ period _____

EXIT TICKET

What Can We See Under a Microscope?

1. What was strange about the e you observed?

1. It was many different colors.
2. It was made from paper
3. It was magnified ten times
4. It was upside down.

2. What does 30x mean?

- A. There are thirty different specimen
- B. It's part of a math problem
- C. The image has been magnified 30 times
- D. There are 30 x's on the slide

3. What are two types of microscopes?

- A. big and little
- B. compound and electron
- C. single and compound
- D. electron and single

4. What does cross section mean?

- A. The specimen has be cut across the body.
- B. A cross is under the microscope
- C. The specimen has been cut from top to bottom
- D. It can't be viewed with a compound microscope.



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