

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## *Microscope Webquest*

Site #1- Go to [www.learn360.com](http://www.learn360.com) Username: Stanton-period Password: alvarado

### *Click on Assignments*

## *Click on **Leeuwenhoek** Assignment*

*Click on the image to watch the video.*

*Complete and submit the quiz when you are done.*

1. Leeuwenhoek began his career as a scientist.	<b>True</b>	<b>False</b>
2. Leeuwenhoek made microscopes as a hobby.	<b>True</b>	<b>False</b>
3. Leeuwenhoek looked at rain water under his microscope and found:		

## Blood cells

## **moving animals**

## water bugs

4. Leeuwenhoek was not the first person to see red blood cells for the first time. **True** **False**

5. Leeuwenhoek wrote his findings in:  
**a science journal**      **a science magazine**      **in letters to the Royal Society of Scientists**

6. Leeuwenhoek was believed by scientists of the Royal Society at the beginning of his science career. **True** **False**

7. By the end of his career, Leeuwenhoek was believed to be a scientist by the members of the Royal Society. **True** **False**

**Site #2- Go to <http://sciencespot.net/Pages/kdzbio.html>**

*Click on Microbus*

## ***Click on 4. History of Microscope- Who Invented the Microscope***

1. What did the Romans discover as they experimented with different types of clear glass lenses?

2. What were early lenses called besides magnifiers? Why?

3. Describe the compound microscope developed by Zaccharias and Hans Janssen.

#### 4. What did Galileo contribute to the field of microscopy?

5. Who is known as the “Father of Microscopy”?

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**Site #3-** Go to <http://www.southwestschools.org/juniorschool/jsfaculty/Microscopes/index.html>

Click on **History of the Microscope**

Click on **Founding Fathers of Microscopy**

Founding Father	Contribution to Microscopy

**Site #4-** Go to <http://www.southwestschools.org/juniorschool/jsfaculty/Microscopes/index.html>

Click on **Types of Microscopes**

Types of Microscopes	How it Works	Magnification range	Type of Image seen (live/dead, 3D/2D)	Pros	Cons
Compound Light					
SEM (scanning electron microscope)					
TEM (transmission electron microscope)					

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**Site #5-** Go to <http://www.southwestschools.org/juniorschool/jsfaculty/Microscopes/index.html>

**Click on The Compound Light Microscope**

**Click on Parts**

Review the parts then quiz your neighbor on all the parts of the microscope.

**Site #6-** Go to <http://www.southwestschools.org/juniorschool/jsfaculty/Microscopes/index.html>

**In the box at the bottom click on Magnification**

Total Magnification = \_\_\_\_\_ X \_\_\_\_\_

Fill in the missing values

Eyepiece Power	Objective Lens Power	Total Magnification
10	25	
10	40	
10		200

**Site #7-** Go to <http://www.southwestschools.org/juniorschool/jsfaculty/Microscopes/index.html>

**In the box at the bottom click on Care of the Microscope**

Why be careful with microscope?	
How to carry microscope	
Cleaning the lenses	
Closing up the microscope	

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