**Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cell Theory Research**

**\*Use the following websites to find answers to the correlating questions.**

**Site #1 –**

[**http://micro.magnet.fsu.edu/optics/timeline/people/leeuwenhoek.html**](http://micro.magnet.fsu.edu/optics/timeline/people/leeuwenhoek.html)

1. **Did Leeuwenhoek have a university education? \_\_\_\_\_\_\_\_\_\_\_\_**
2. **What job did he have that first introduced him to working with magnifying glasses?**

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1. **Some of his best microscopes allowed him to magnify things up to how many times?**

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1. **What name did Anton van Leeuwenhoek give to the very first micro-organisms that he saw under his microscope?**

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**Website #2 :** [**http://www.famousscientists.org/robert-hooke/**](http://www.famousscientists.org/robert-hooke/)

1. **What was the name of Robert Hooke's most famous book? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **When he looked at Fungal Mold under the microscope, what did he call it?**

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1. **Hooke did all kinds of work, but what other famous chemist did   
   he start working with at the young age of 20 years old? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **How old was Hooke when he published "Micrographia"? \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **List a couple of improvements that Hooke made to the primitive compound microscope.**

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1. **What type of tissue was Hooke viewing when he termed the word "CELL", and what influenced him to choose this word?**

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**Website #3 -** [**http://www.preceden.com/timelines/46013-contributions-to-cell-theory**](http://www.preceden.com/timelines/46013-contributions-to-cell-theory)

**Scan over each key scientist on the timeline to see their contributions to answer questions 1- 3.**

1. **Look up the words "Botanist" and "Zoologist" and classify each scientist below:**
2. Matthias Schleiden : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Theodor Schwann : ­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **What did each scientist claim from their findings?**
5. **Matthias Schleiden :** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. **Theodor Schwann :** ­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. **What did Rudolph Virchow claim was the method by which new life (cells) arises?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
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