

# Cell Theory

---

Name \_\_\_\_\_

Date \_\_\_\_\_

Block \_\_\_\_\_

In this activity, you are going to research people who contributed to the 'cell theory', some people who contributed important scientific ideas and concepts. You will also make a timeline illustrating when each person made their contribution. This project will be submitted on Freshgrade in 'word' or 'pdf' format.

## **Part 1**

Research the following people and take notes on their contributions. Please include the dates of their contribution.

### **Anton Van Leeuwenhoek?**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

---

### **Robert Hooke**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

---

### **Robert Brown**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

---

## **Hans and Zacharias Janssen**

When was their contribution?

What were their main contributions/ideas?

---

---

---

---

---

---

## **Rudolf Virchow**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

## **Matthais Schleiden**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

## **Theodor Schwann**

When was his contribution?

What were his main contributions/ideas?

---

---

---

---

---

---

## Part 2 Make a Timeline

Draw a timeline showing the chronological (date) order of the scientist and their contributions. The earliest date should be on the left of the timeline and the most recent date should be on the right. Label each date with the corresponding scientist's name and contribution(s) in an organized and legible manner. Be sure your spacing shows a reasonable approximation of the amount of time elapsed between dates. If you are not able to show this on your 'Word' file, it will be acceptable to draw it out and take a picture of it to submit it on Freshgrade.

## Part 3

Answer the following questions IN FULL SENTENCES!!! Again, put this on your word file and upload it onto Freshgrade.

1. What theory did these scientists provide evidence for?

---

2. What instrument was necessary before the cell theory could be developed?

---

3. Which three scientists ***directly contributed evidence*** for the cell theory?

---

---

---

4. How did the earlier scientists and their contributions directly affect the discoveries of later scientists (see #2)? For example, what had to come first?

---

---

---

---

5. List the three parts of the cell theory.

---

---

---