

# Cell Theory Timeline and Webquest

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

- For each of the scientists listed below, identify the **year** of AND their contribution to the **Cell Theory**. (don't include their contributions to science that weren't related to the Cell Theory)
- Use the internet and/or textbook. (you do not have to use my resources.)
  - Chapter 4
  - <http://sps.k12.mo.us/pipkin/tzeigler/Science/timeline.htm>
  - <http://askabiologist.asu.edu/research/buildingblocks/rhooke.html>
  - <http://micro.magnet.fsu.edu/optics/timeline/people/janssen.html>
  - <http://www.ucmp.berkeley.edu/history/leeuwenhoek.html>
  - <http://www.answers.com/topic/matthias-jakob-schleiden>
  - <http://www.infoplease.com/ce6/people/A0844044.html>
  - <http://scienceworld.wolfram.com/biography/Virchow.html>

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Robert Hooke-

Hans and Zacharias Janssen-

Anton van Leeuwenhoek-

Matthias Schleiden-

Theodor Schwann-

Rudolph Virchow-

### Timeline

- On another sheet of paper, draw a timeline showing the chronological order of these scientists and their contributions to the Cell Theory.
- Use rulers & colored pencils
- Be sure your spacing shows a reasonable approximation of the amount of time elapsed between dates. (ex. If 1 inch = 50 years, then  $\frac{1}{2}$  inch = 25 years)
- The earliest date should be on the left of the timeline and the most recent date on the right.
- Label the timeline with dates of the above scientists' discoveries.
- Label each date with the corresponding scientist's name and contribution(s) in an organized and legible manner.

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### Questions - Answer the following questions based on your knowledge of the Cell Theory.

1. What is the smallest unit of living organisms?
2. What invention made it possible to see cells for the first time?
3. What type of cells did Hooke study?
4. The discoveries of these men lead to the development of what theory?
5. Which 3 scientists DIRECTLY developed the cell theory?
  - 1.
  - 2.
  - 3.
6. What are the 3 parts of the Cell Theory?
  - 1.
  - 2.
  - 3.