Name Date Period

Cell Theory: Historical Timeline Activity

**PART 1:** Watch this video (<https://www.youtube.com/watch?v=4OpBylwH9DU>), then research the following people. List some of their contributions to science during the dates listed. You may use bulleted notes and do not have to write using complete sentences.

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| --- | --- | --- |
| **SCIENTIST** | **DATES** | **CONTRIBUTIONS** |
| Robert Hooke | 1665 |  |
| Hans & Zacharias Janssen | 1590 |  |
| Anton  van Leeuwenhoek | 1680’s |  |
| Matthias Schleiden | 1838 |  |
| Theodor Schwann | 1839 |  |
| Rudolph Virchow | 1855 |  |

**PART 2:** Draw a timeline showing the chronological order of these scientists and their contributions.

* Draw your timeline on the bottom half of the back of this paper. Be sure to use a ruler or other implement as a straight edge on your timeline.
* Label the timeline with dates of the above scientists’ discoveries.
* The earliest date should be on the left side of the timeline and the most recent date on the right.
* Label each date with the corresponding scientist's’ name and contribution(s) in an organized and legible manner.
* Be sure the spacing of the entries shows a reasonable approximation of the amount of time elapsed between dates.

**PART 3:** Questions

* 1. To which theory did these scientists provide evidence?
  2. Which instrument was necessary before the cell theory could be developed?
  3. Which 3 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 question #2)? For example, what had to come first?
  5. List the three parts of Cell Theory.

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