

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

Date Due: \_\_\_\_\_

# The Scientists Behind the Cell Theory

Directions: For this project, students will complete research and answer the “Question for Inquiry”. Students will need to be thorough in their research in order to be able to fully consider and respond to the question.



## Questions for Inquiry:

*In what ways have scientists contributed to a wider understanding of life?*

*How have scientific definitions of life changed over time because of increased technologies and understanding?*

Create a product (poster, slideshow, timeline, etc) in which you must:

- Display knowledge of the major scientists and their experiments, especially as it pertains to our greater understanding of cell theory
- Analyze and explain the significance of their experiments and how it is specifically important to the overall understanding of life today

Scientists for study:

✓ Francesco Redi	✓ Lynn Margulis
✓ Louis Pasteur	✓ Robert Hooke
✓ Stanley Miller and Harold Urey	✓ Carl Linnaeus
✓ Robert Brown	✓ Anton Van Leeuwenhoek
✓ Theodor Schwann	✓ Matthias Jakob Schleiden
✓ Robert Virchow	

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## Project Rubric

CATEGORY	4	3	2	1
Required Elements and Accuracy	The project includes required elements and are exceptionally accurate.	All required elements are included on the project, and only minor errors are present in accuracy.	Some of the required elements are included on the project, and there are many issues with accuracy.	Most required elements were missing, and the project lacks accuracy.
Quality of Evidence	Provides specific, and relevant support to inquiry question.	Provides appropriate support that may contain errors.	General or lacking support	Irrelevant Support.
Development of Ideas	The project shows an exceptionally in-depth base of content and knowledge and includes thorough explanations.	Shows a clear understanding of the inquiry question.	Shows a limited understanding of the inquiry question.	Shows little to no understanding of the issue.
Communication and Organization		Writing style is clear and effective with well-organized ideas.	Writing is satisfactory and project is acceptably attractive although not always organized.	The project is distractingly messy, writing is unclear and organization is poorly designed.

Name(s): \_\_\_\_\_ Class: \_\_\_\_\_

Mark: \_\_\_\_\_/15