

Name _____ Date _____ Hour _____

CELL THEORY WEB QUEST

You are going to use various sites to come up with information regarding the cell theory. The site provided before each question will help you find the answer you are looking for. You may find the other sites also provide similar information.

Answer the questions in the space provided.

SITE 1:

<http://fig.cox.miami.edu/~cmallery/150/unity/cell.text.htm>

1. What are the 3 parts of the cell theory?

2. Identify what each of these scientists contributed to the cell theory:

Schleiden

Schwann

Virchow

Hooke

Leeuwenhoek

SITE 2:

<http://www.answers.com/topic/cell-theory-1>

3. What are some exceptions to the cell theory?

4. What Eukaryotes and Prokaryotes?

SITE 3:

http://www.biology.arizona.edu/cell_bio/tutorials/cells/cells3.html

5. Identify 5 major events in cell biology. Include year, scientist and importance

SITE 4:

<http://www.cliffsnotes.com/WileyCDA/CliffsReviewTopic/Cell-Theory.topicArticleId-23791.articleId-23661.html>

6. Identify the methods scientists use to study cells.
7. What are the limits to cell size? Discuss the surface area to cell volume ratio
8. Compare Prokaryotes v Eukaryotes. Include at least 5 details

SITE 5:

<http://staff.tuhsd.k12.az.us/gfoster/standard/mscope.htm#stain>

9. Compare the TEM, SEM, and Light microscopes.

SITE 6:

<http://stemcells.nih.gov/info/basics>

10. What is a stem cell?

11. Compare embryonic and adult stem cells.

12. What are some uses for stem cells?

Using the websites provided. Define the following terms

VOCABULARY

1. Cell
2. Unicellular
3. Multicellular
4. Magnification
5. Resolving power
6. Organelles