

# Cell Theory Worksheet

Name \_\_\_\_\_

1. What discovery started the study of cells, and when did the discovery take place?	
2. What two scientists are credited with “inventing” the microscope?	
3. Describe what the English guy looked at.	
4. Describe what the Dutch guy looked at.	
5. What is an “animalcule? What words do we use today instead of animalcule?	
6. Who first called cells “cells?”	
7. What are the three assumptions of the cell theory?	
8. Explain how the cell theory would change if somebody discovered a Martian creature that did not have cells.	
9. Using the internet, research <b>Matthias Schleiden</b> and describe what his work contributed to the cell theory.	
10. Using the internet, research <b>Rudolph Virchow</b> and describe what his work contributed to the cell theory.	
11. Using the internet, research <b>Theodor Schwann</b> and describe what his work contributed to the cell theory.	

12. Does the cell theory answer the question of HOW or WHERE life originally came from? Explain.	
13. What is the idea called spontaneous generation about?	
14. Why might an otherwise intelligent person believe in spontaneous generation? Explain.	
15. Describe Redi's hypothesis.	
16. Describe how Redi tested his hypothesis.	
17. Explain why Pasteur's experiment was so much better than Spallanzani's.	
18. Why did people doubt Spallanzani's hypothesis?	
19. Draw a picture of Pasteur's special flask.	
20. Explain three ways Pasteur's invention of "pasteurization" helps you today.	
<p>Match the phrase to the word:</p> <p>_____ Turns juice into wine</p> <p>_____ Used by Pasteur</p> <p>_____ Was in Spallanzani's flasks</p> <p>_____ Flies put them in meat</p> <p>_____ A type of tree bark</p> <p>_____ Means "happens without warning"</p> <p>_____ A tool used to reveal cells</p> <p>_____ Male contribution to sexual repro.</p> <p>_____ Hooke's homeland</p> <p>_____ Leeuwenhoek's homeland</p> <p>_____ The "magical" essence in air</p>	<p>Yeast</p> <p>Semen</p> <p>Cork</p> <p>England</p> <p>Eggs</p> <p>Swan-neck flask</p> <p>Netherlands</p> <p>Broth</p> <p>Oxygen</p> <p>Spontaneous</p> <p>Microscope</p>

Fold this sheet and use it to study for the test!!!!