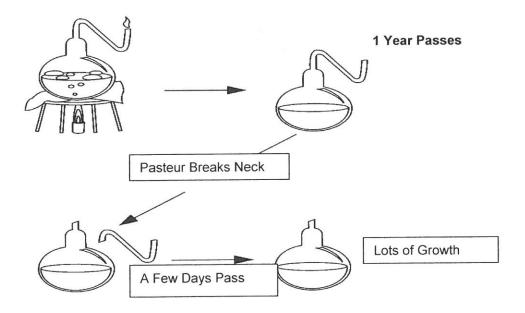
## **Spontaneous Generation vs Biogenesis**

1. The idea that life can arise from nonliving matter is called ..... 5 pontaneous generation

2. Why do scientists assume that experimental results can be reproduced? If one scientist gets the results, all scientists should be able to reproduce the same results.

Pasteur's Test of Spontaneous Generation

The theory of spontaneous generation stated that life could arise from nonliving matter. Louis Pasteur did an experiment that disproved this theory. He put boiled broth in a flask that allowed air but not microorganisms to reach the broth. A year later, he broke the neck of the flask.



Use the diagram to answer the questions.

3. Would the results of this experiment have changed if Pasteur had let the unbroken flask sit for three years instead of one? Why or why not? No, the "S" teke trapped bacteria so the fine length doesn't matter as long as the curved neck is attached, 4. Explain evidence Pasteur used to design and change his experiment to disprove spontaneous generation.

spallanzani made) while helping bacteria trapped in the bends.

5. The ideachat life arises from living matter is called.... biogenesis.