Name	Date

The Origin of Life Use each of the terms below just once to complete the passage.

microorganism vital force Louis Pasteur

nonliving matter S-shaped disproved

organisms broth microscope spontaneously

air biogenesis

Fransesco Redi spontaneous generation

Early scientists believed that life arose from (1) through a process the		
called (2) In 1668, the Italian physician (3) conducted		
an experiment with flies that (4) this idea. At about the same time,		
biologists began to use an important new research tool, the (5) They		
soon discovered the vast world of (6) The number and diversity of these		
organisms was so great that scientists were led to believe once again that these organisms		
must have arisen (7) By the mid-1800s, however, (8)		
was able to disprove this hypothesis once and for all. He set up an experiment, using flasks		
with unique (9) necks. These flasks allowed (10) but		
no organisms, to come into contact with a broth containing nutrients. If some (11)		
existed, as had been suggested, it would be able to get into the (12)		
through the open neck of the flask. His experiment proved that		
organisms arise only from other (13) This idea, called (14).		
is one of the cornerstones of biology today.		