

NAME: _____ DATE: _____

Historical Ideas About Living Things

1. From your notes, complete the table with the names of scientists who helped us have a better understanding of living organisms. Use the information in the box below to help.

1667	Boiled broth	Robert Hooke
meat in jar	Hans Jansen	1668
1590	1864	Louis Pasteur
First microscope	Francesco Redi	Discovered cells

SCIENTIST	YEAR	CONTRIBUTION
	1590	
	1667	
	1668	
	1864	

2. Explain what was meant by spontaneous generation.

3. Redi's experiment with the jars proved that _____ did not spontaneously generate from rotting _____. He proved that it was _____ that laid _____ that became the maggots.
4. In what year was the microscope invented? _____
5. Complete the passage below using the words in the word bank.

cells	conclusion	evidence
microscope	organisms	spontaneous generation

All living _____ are made of _____ that are so small, that many years ago, people did not believe they existed. People came to the _____ that they were produced from non-living things in a process called _____. Later, when the _____ was invented to see them, this provided _____ of their existence.

6. Write the word SUPPORT (for) or DISPROVE (against) on the line after each statement regarding spontaneous generation.
- a. Maggots found in rotting meat. SUPPORT
- b. Kittens coming out of a barn. _____
- c. Lambs being born. _____
- d. Bread left in dark corners give rise to rats. _____
- e. Chicks hatch from eggs that were laid by hens. _____