
17-1 SECTION
REVIEW

1. Define spontaneous generation.
2. What evidence did Spallanzani give to refute Needham's experiment?
3. In Redi's first experiment he used only open jars and sealed jars. What arguments might scientists have come up with that caused Redi to redo his experiment with open jars and jars covered with gauze?
4. **Critical Thinking—Applying Concepts** How did Pasteur's use of a flask with a long, curved neck finally disprove spontaneous generation?

17-2 SECTION
REVIEW

1. List five gases in Earth's first atmosphere.
2. What is a microfossil?
3. Name two sources for Earth's first organic molecules.
4. **Connection—Botany** Why did photosynthesis (or something like it) have to evolve if life was to continue past its earliest stages?

17-3 SECTION
REVIEW

1. How did the development of sexual reproduction speed up the process of evolution?
2. What compound replaced H_2S in the photosynthetic process?
3. **Connection—Ecology** Why are people concerned with protecting the ozone layer?