Name	Class	Date
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# Section 1-2 How Scientists Work (pages 8-14)

Answer each of the following questions:

- In your head first
- Look back into the book/your notes and check to see if what you are thinking is correct
- · Write your answer on the paper

#### Designing an Experiment (pages 8-10)

- 1. The idea that life can arise from nonliving matter is called
- 2. What was Francesco Redi's hypothesis about the appearance of maggots?
- 3. What are variables in an experiment?
- 4. Ideally, how many variables should an experiment test at a time?\_\_\_\_\_
- 5. What is a controlled experiment?
- The illustration below shows the beginning of Redi's experiment. Complete the illustration by showing the outcome.

#### Redi's Experiment on Spontaneous Generation



Several days pass.



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**Ensheng Dong** 

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