


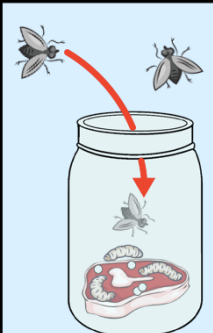
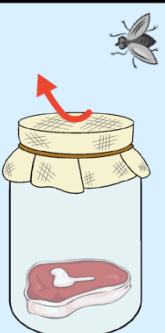
## CONCEPT: FRANCESCO REDI'S EXPERIMENTS

- **Francesco** \_\_\_\_\_: Italian scientist that became the *first* to \_\_\_\_\_ the idea of *spontaneous generation*.
- Designed a simple experiment to prove that fly eggs & maggots do \_\_\_\_\_ *spontaneously generate* from decaying meat.
  - First piece of meat was left \_\_\_\_\_ to *allow* flies to enter & lay their eggs on the meat.
  - Second piece of meat was \_\_\_\_\_ with fine gauze to *prevent* flies from entering & laying their eggs.
- **Results:** fly eggs & maggots appeared on meat in uncovered jar but did \_\_\_\_\_ appear on meat in the covered jar.
- **Conclusion:** fly eggs & maggots (*life*) do \_\_\_\_\_ spontaneously generate from decaying meat (*non-living matter*).

Experiment Date:  
1668



Francesco Redi  
1626-1697

Open Jar	_____ Jar
	
Fly eggs & maggots _____.	Fly eggs & maggots absent.

Experiment Conclusions:

- 1 Maggots develop from eggs laid on the meat by flies.
- 2 Fly eggs & maggots do \_\_\_\_\_ spontaneously generate.

- Despite Redi's experiment, many scientists remained skeptical & were still determined to prove spontaneous generation.

**PRACTICE:** Which of the following statements about Francesco Redi's experiments is TRUE?

- a) He proved that bacteria were the cause of some types of diseases.
- b) He used chicken broth to disprove spontaneous generation.
- c) He showed that maggots could only form on raw meat if flies are able to lay their eggs on it.
- d) He showed that maggots spontaneously form on raw meat.
- e) All are true.
- f) None are true.