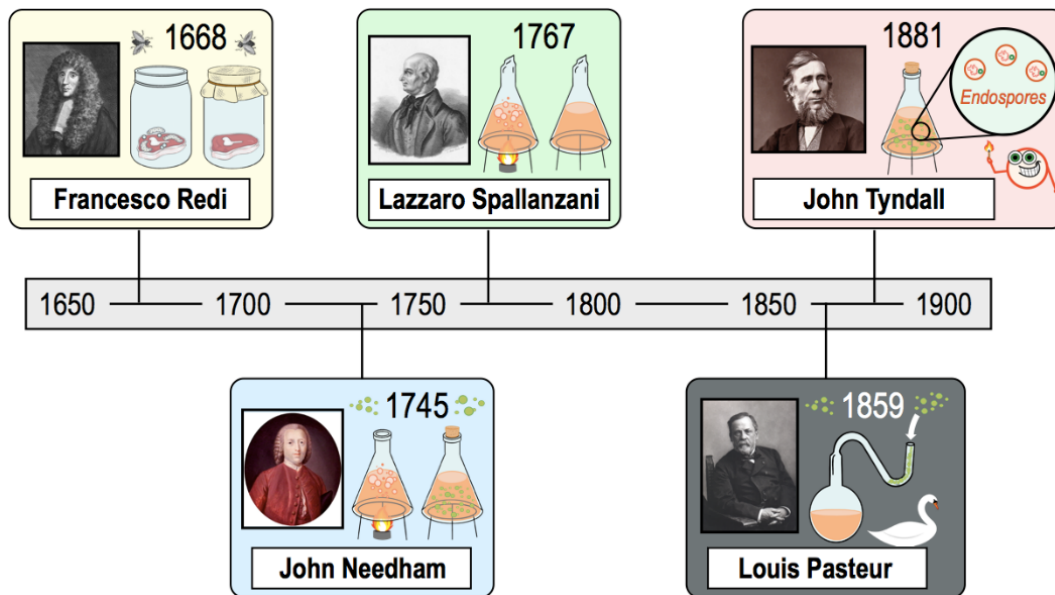


## CONCEPT: HISTORY OF SPONTANEOUS GENERATION SUMMARIZED

● We can use the following timeline to review the scientists who studied spontaneous generation:



**PRACTICE:** Who was the first person to challenge the theory of spontaneous generation?

- a) Louis Pasteur.    b) Francesco Redi.    c) John Needham.    d) Lazzaro Spallanzani.    e) John Tyndall.

**PRACTICE:** Which of the following scientists argued in the favor of spontaneous generation?

- a) Lazzaro Spallanzani.    b) John Tyndall.    c) John Needham.    d) Louis Pasteur.    e) Francesco Redi.

**PRACTICE:** Spallanzani and Pasteur both disproved spontaneous generation in their experiments. What did Pasteur do differently that still allowed him to come to the same conclusion as Spallanzani?

- a) Air could enter the flasks, but microorganisms and dust particles could not enter.  
b) No air could enter the flasks, but microorganisms could enter.  
c) Neither air nor microorganisms could enter the flasks.  
d) Both air and microorganisms could enter the flasks.

**PRACTICE:** Which of the following scientists showed that maggots develop from fly eggs that are laid on decaying meat rather than arising spontaneously.

- a) Lazzaro Spallanzani.    b) John Tyndall.    c) John Needham.    d) Louis Pasteur.    e) Francesco Redi.