

Scientific Theory

Botulism is a rare but serious illness usually caused by improperly canned food. Botulism eventually causes paralysis of the muscles. Based on the information provided in the concept map, place the letter with the appropriate question.

- a. Presence or absence of oxygen.
- b. Why does the bacterium that causes botulism (*Clostridium botulinum*) only grow in sealed cans?
- c. *Clostridium botulinum* cannot grow in an environment where oxygen is present.
- d. Support or reject the hypothesis.
- e. A growth medium with all the nutrients required by *Clostridium botulinum*.
- f. Amount of growth recorded on the agar plates

