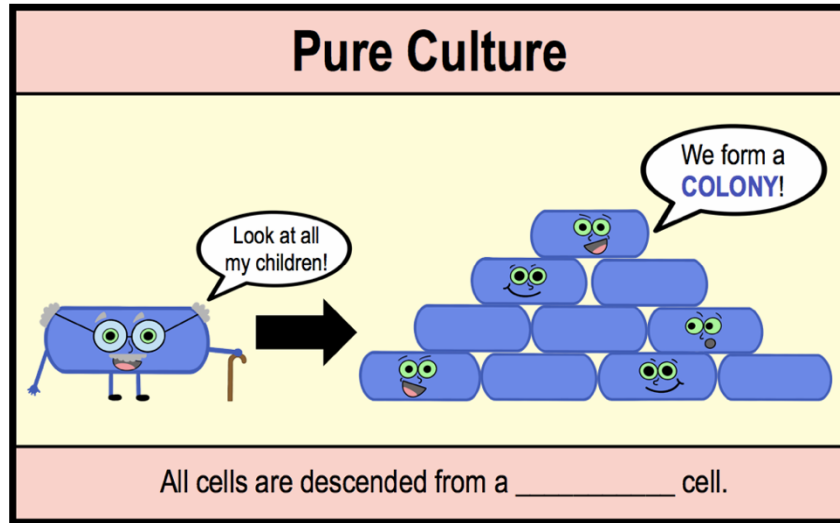


CONCEPT: GROWING A PURE CULTURE

- In a lab, bacterial and archaeal cells are generally isolated, grown, & studied in a _____ culture.
 - **Pure Culture:** population of cells containing only _____ species that grows starting from a single *colony*.
 - **Colony:** a group of ~1 million *cells* required to start a pure culture (typically grown in a lab).



- **Inoculum:** *colony* of cells that are added to a culture medium to start a _____ culture.

PRACTICE: A pure culture of bacteria is made of:

- a) Around 1 million viable bacteria cells that are all of the same species.
- b) Around 1 million viable bacteria cells that are all descended from a single parent cell.
- c) Around 1 million viable bacteria cells that are a mixture of different bacterial species.
- d) Both A and B.
- e) Both A and C.
- f) Both B and C.

PRACTICE: A bacterial culture grown in a _____ will not continue to grow exponentially forever, but will stop once the limited nutrients have been consumed.

- a) Open system.
- b) Secure system.
- c) Closed system.
- d) Extended system.