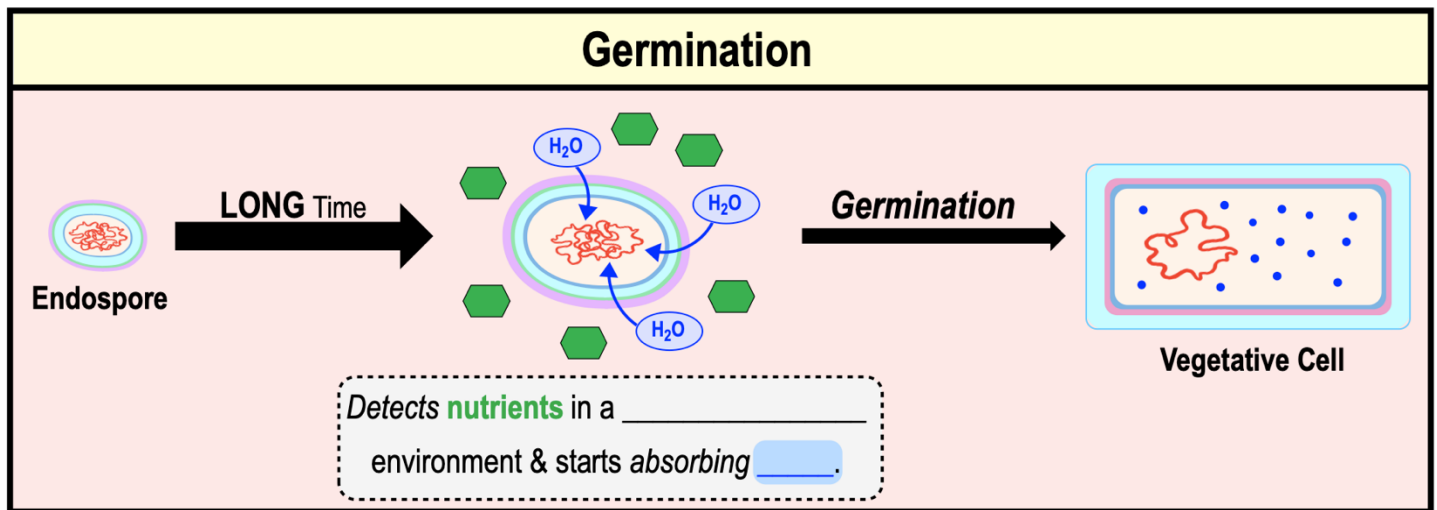


## CONCEPT: GERMINATION

- \_\_\_\_\_: the process of an endospore *exiting* its dormant state & *reverting back* to a vegetative cell.
  - Endospores detect nutrients in the environment that are \_\_\_\_\_ for vegetative cell growth.
  - The core begins to absorb water & cellular enzymes become \_\_\_\_\_ as the cell grows.
- Eventually, the endospore grows out of its protective layers & returns to a *vegetative cell*.



**PRACTICE:** Which of these answers is NOT a reason why an endospore would begin the process of germination?

- The environment the endospore is in increased in nutrient concentration.
- The temperature of the environment the endospore is in became more favorable to life.
- The pH of the of the environment the endospore is in became more favorable to life.
- The environment the endospore is in became too dry to support life.