

Name the organism that grows best at higher than normal CO₂ concentrations.

What is the normal pH range for microbial growth?

__ Alkaliphiles

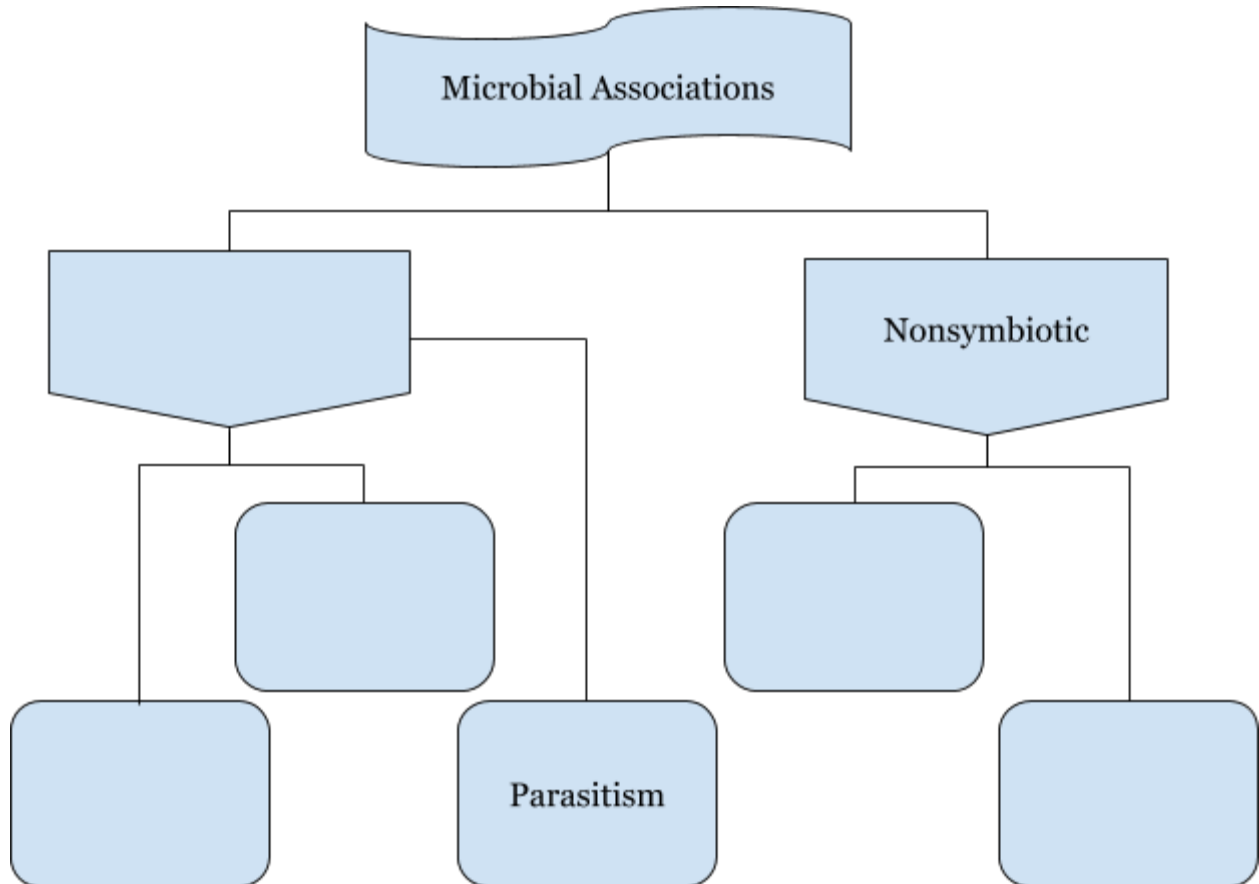
A) grow at extreme low pH

__ Acidophiles

B) grow at extreme high pH

_____ require a high salt concentration (hypertonic solution).

_____ can survive under extreme pressure, and will rupture if exposed to normal atmospheric pressure.



Explain binary fission.

What is a “generation” (aka doubling time)?

Write the equation for calculating population size over time.

If generation 1 had 6 cells, how many cells will generation 4 have?

List the stages of the normal population growth curve.

What are the methods of analyzing population growth?

The 5 I's of culturing microbes are:

- 1.
- 2.
- 3.
- 4.
- 5.

