

# Week 3 Concepts: Metabolism

## Factors affecting Microbial Growth

### Prepare: Factors Affecting Microbial Growth

The phase of the bacterial growth curve in which the rate of multiplication equals the rate of cell death is the \_\_\_\_\_  
death phase

telophase

stationary phase

lag phase

exponential phase

An organism that grows in lower pH conditions is called a \_\_\_\_\_.

neutrophile

acidophile

Halophile

barophile

Alkaliphile

An organism that uses organic carbon for its carbon needs and sunlight for its energy needs would be called a \_\_\_\_\_.

heterotroph

photoautotroph

chemoheterotroph

photoheterotroph

halotroph

### Self-Check: Growth Requirements in Microorganisms

Place the images in order from top to bottom to show extracellular digestion in bacteria and fungi.

