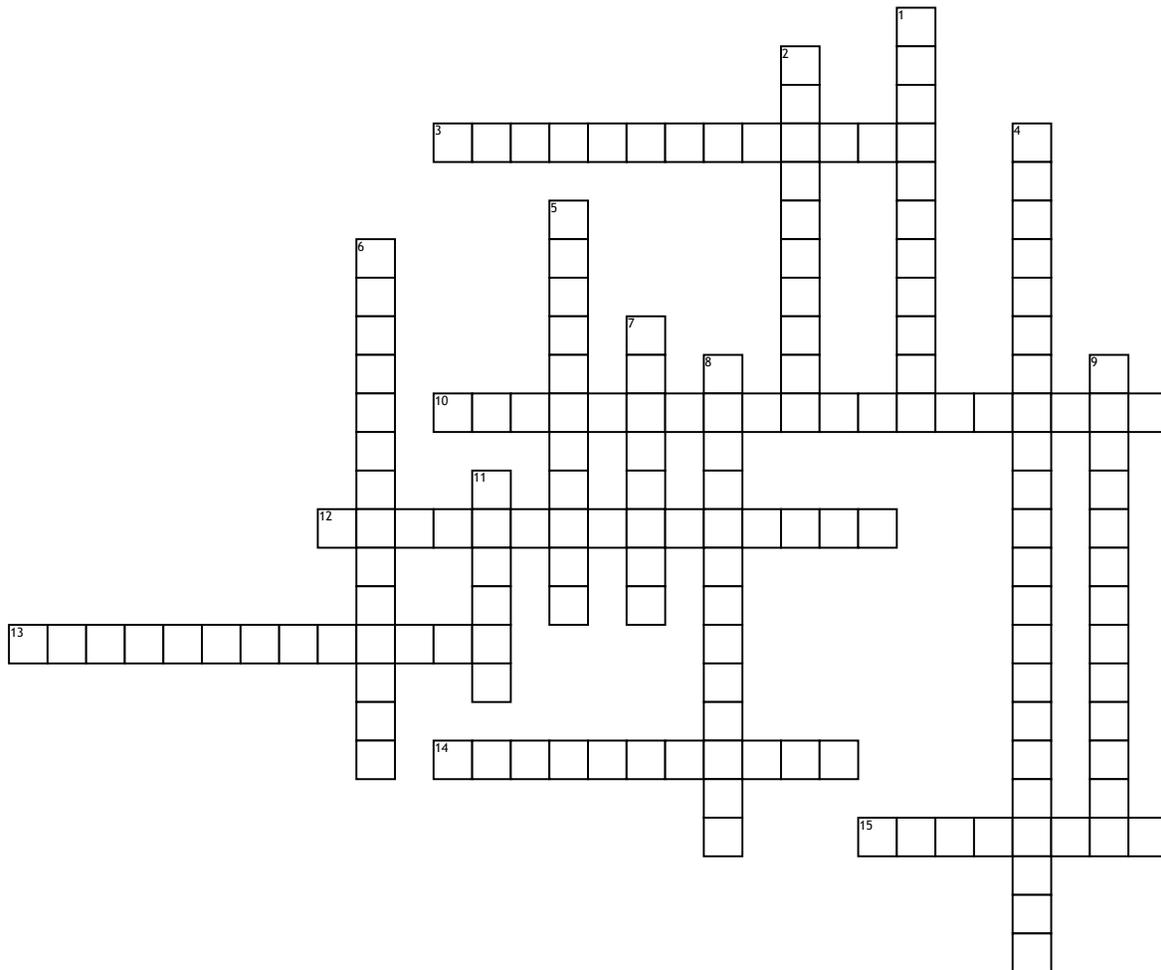


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Microbial Growth



## Across

- 3. cold-loving microbes
- 10. used to protect organisms from the toxic by-products of oxygen
- 12. process that increases number of cells, not cell size
- 13. the most common method of preserving household food supplies.
- 14. live in environments where the pH ranges from 1 to 5.5.

- 15. phase of bacterial growth curve that is characterized by a relatively "flat" period wherein newly inoculated cells adjust, enlarge and synthesize

## Down

- 1. osmotic loss of water causes \_\_\_\_\_ of the cell's cytoplasm
- 2. organisms would be most likely to contaminate a jar of pickles
- 4. phase of bacterial growth curve with the maximum rate of cell division, wherein cellular reproduction is most active

- 5. rate of cell division and overall growth
- 6. time required for a bacterial cell or population of cells to grow and divide by binary fission
- 7. a thin, slimy layer encasing bacteria that adheres to a surface.
- 8. a form of asexual reproduction in which one cell divides to form two identical cells
- 9. spoilage microorganisms
- 11. growth of cells that have cloned from a single parent cell by way of binary fission