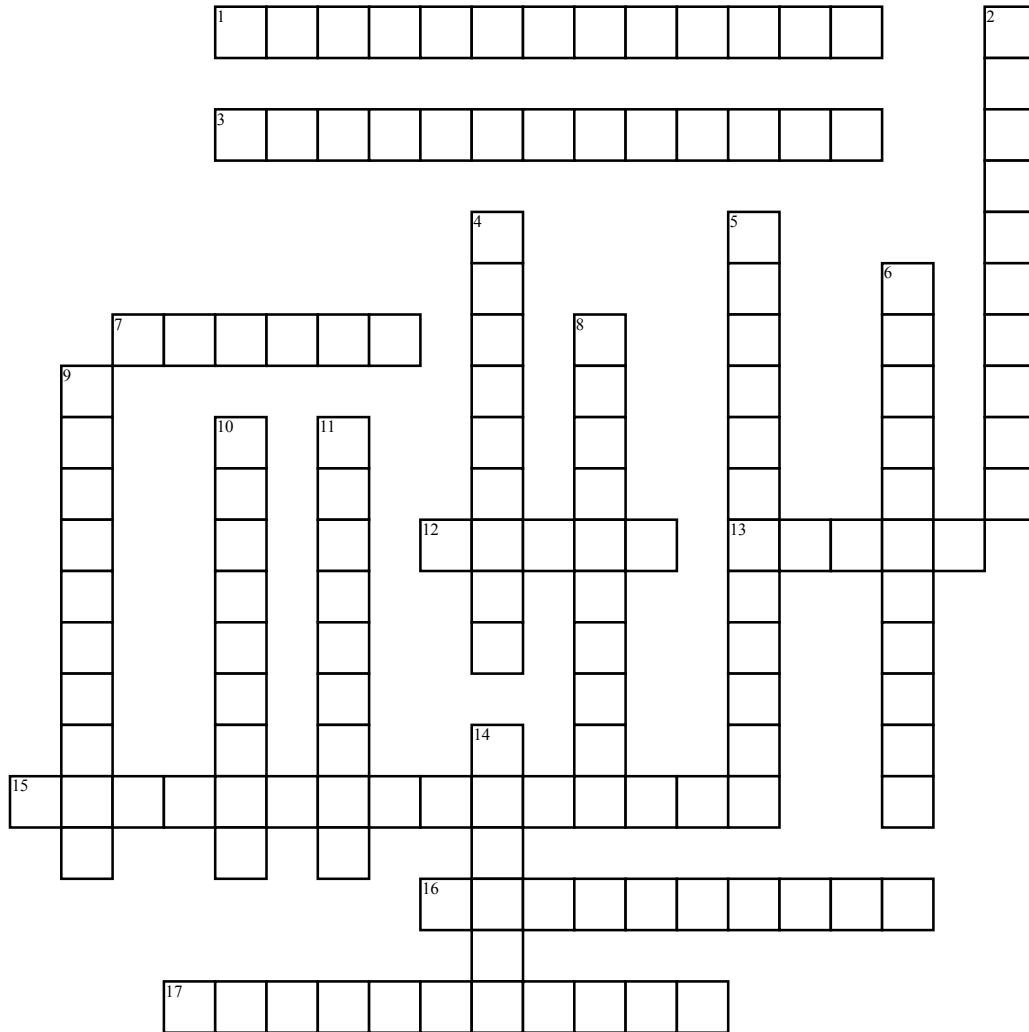


Name: _____

Importance of Cell Size



Across

- 1. Rate determining step varies based on the organisms metabolic needs
- 3. Process of entering and leaving the cell
- 7. Unit of cell size measurement
- 12. large
- 13. Extremely small
- 15. Type of scope that uses visible light and lenses to magnify the size of an object

16. Animalia, Plantae, Fungi, Protista

17. Amount of area covered by the surface of something

Down

- 2. Cell shape
- 4. All inside contents of cell excluding the nucleus
- 5. semipermeable layer of cell surrounding cytoplasm
- 6. Eubacteria and Archaea
- 8. Water diffuses outside the cell

9. Chemical reaction in which water breaks down another compound and changes its composition

10. Substances essential for living organisms

11. Water diffuses into cell

14. The amount of space a substance or object takes up

Word Bank

- | | | | | |
|------------------|------------|----------------|--------------|----------------|
| Macro | Eukaryotes | Nutrients | Surface Area | Metabolic Flux |
| Cell Membrane | Morphology | Cell diffusion | Hypotonic | volume |
| Light Microscope | Hydrolysis | Micron | Prokaryotes | Hypertonic |
| Micro | Cytoplasm | | | |