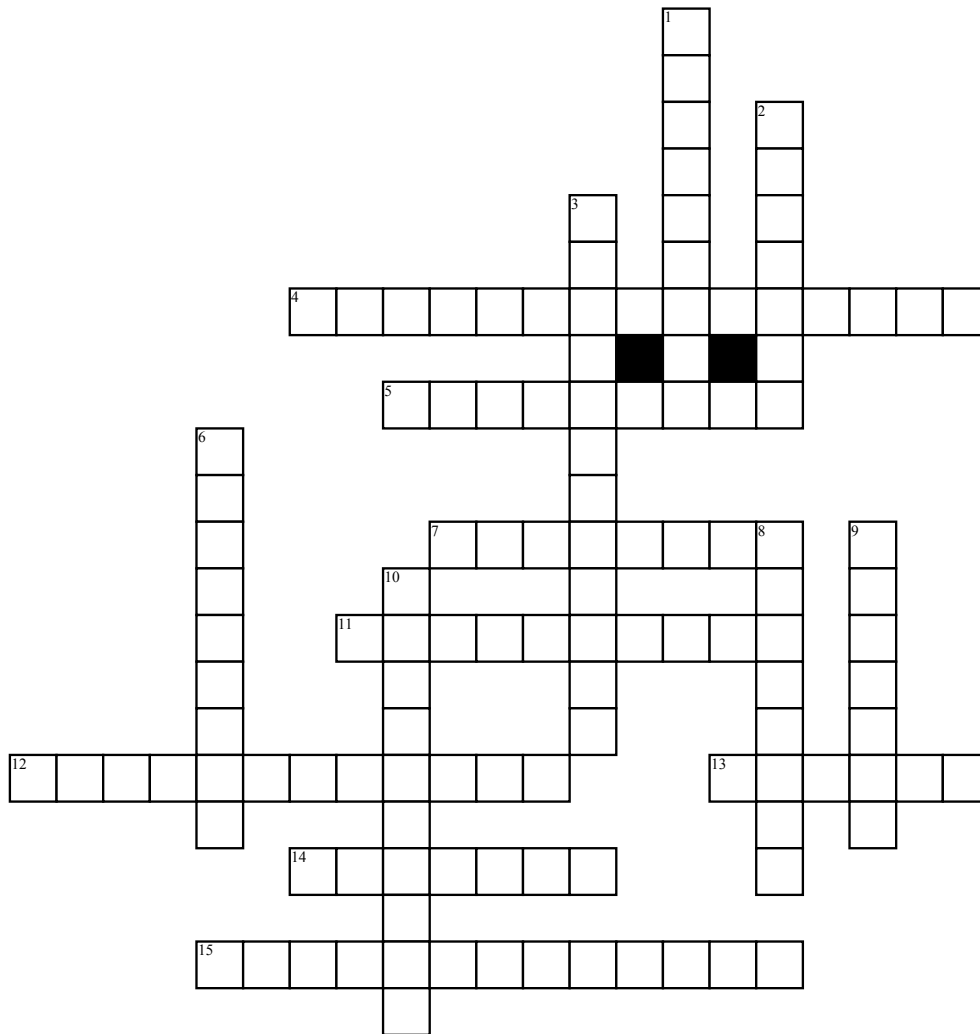


Name: \_\_\_\_\_

# Cell Biology



## Across

4. Movement of molecules against their concentration gradient with use of energy-ATP.

5. Non-membrane bound organelles responsible for protein synthesis; found in eukaryotes and prokaryotes.

7. Strong supporting layer around the cell membrane in plants, algae and most bacteria.

11. Movement of bacterial flagella towards or away from light.

12. Uptake of larger particles and bacteria by cells, through formation and fusion of pseudopods.

13. The part of a solution that is dissolved.

14. A circular DNA molecule, usually found in bacteria and can replicate independently of the nucleoid DNA.

15. A rigid mesh-like structure covering a bacterial cell membrane.

## Down

1. A jelly like fluid inside the cell in which the organelles are suspended, helps dissolve solutes and move materials around.

2. Movement of water across selectively permeable membrane.

3. Network of protein filaments within some cells that helps the cell maintain its shape and is involved in many forms of cell movement.

6. The net movement of molecules from an area of high concentration to one of low concentrations.

8. Membrane bound sac containing digestive enzymes that can break down proteins, nucleic acids and polysaccharides.

9. A part of the cell containing DNA and RNA and responsible for growth and reproduction.

10. Movement of bacterial flagella towards or away from chemicals.

## Word Bank

Active transport	Cytoskeleton	Ribosomes	Cell wall	Osmosis
Peptidoglycan	Phagocytosis	Lysosome	Chemotaxis	Solute
Plasmid	Diffusion	Nucleus	Phototaxis	Cytoplasm