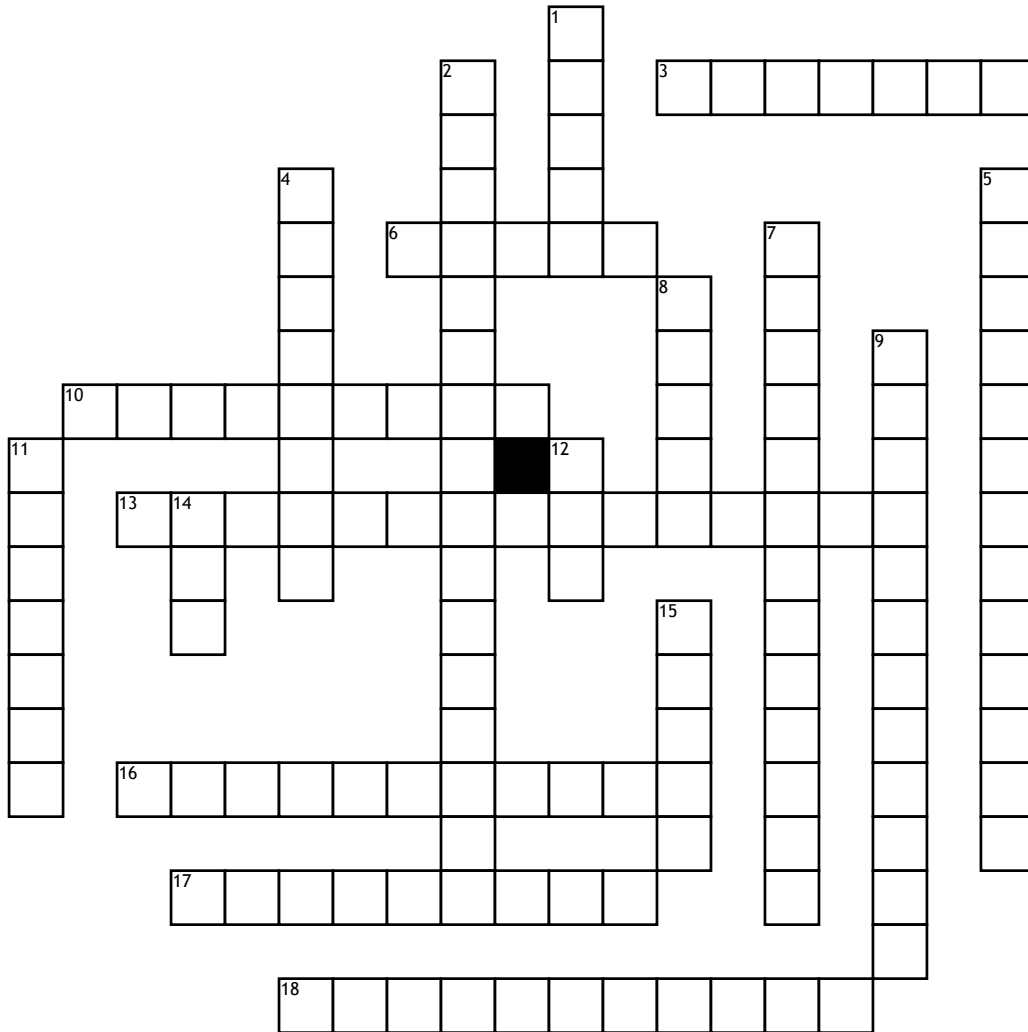


Name: \_\_\_\_\_

# Biology



### Across

- 3. What's the name of water movement through a partially permeable membrane
- 6. What molecule is too large to absorb through a membrane
- 10. Are diffusion and osmosis different or similar
- 13. What is the movement of molecules from a low to high concentration
- 16. Name an independent variable
- 17. 1 process that are forms of passive transport

- 18. A factor affecting diffusion

### Down

- 1. Do root hair cells have a large or small surface area
- 2. The change of mass in the osmosis experiment is worked out by which equation
- 4. What is more likely to try on diffusion alone
- 5. Active transport is the net movement of particles against a ..... gradient.
- 7. Active transport takes place in

- 8. When drawing a graph, on which axis does the dependent variable go
- 9. Which of the following is a specialised plant tissue that uses osmosis to absorb water
- 11. Name the process whereby water diffuses across a partially permeable membrane from a dilute solution to a concentrated solution
- 12. Is active transport a movement from high to low concentration
- 14. What is a waste product removed during diffusion in the lungs
- 15. What do plants need to absorb

### Word Bank

- |           |                    |                |                 |                  |
|-----------|--------------------|----------------|-----------------|------------------|
| Water     | Temperature        | Concentration  | Large           | Diffusion        |
| Yaxis     | Temperature        | Root hair cell | Bacteria        | CO <sub>2</sub>  |
| Different | Osmosis            | Osmosis        | Roots of plants | Active transport |
| Nah       | Final-initial mass | Water          |                 |                  |