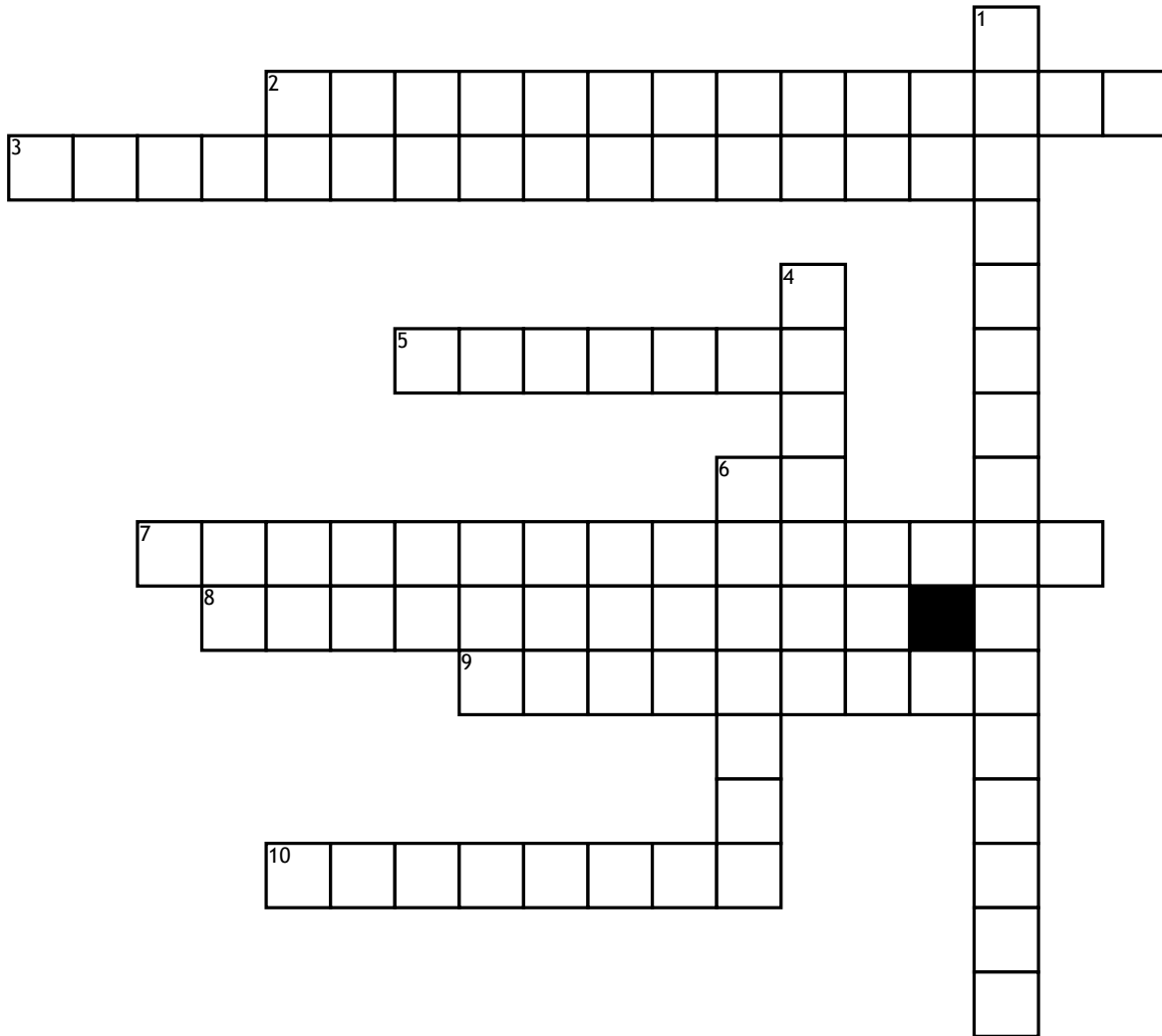


# homeostasis & Bioenergetics



**Across**

- 2. a phospholipid bilateral structure that surrounds all cells
- 3. proteins embedded in the plasma membrane that are used for facilitated diffusion and active transport
- 5. a chemical solution that helps to maintain a constant pH
- 7. movement of materials across the plasma membrane that requires the use of ATP
- 8. maintaining stable internal conditions
- 9. movement of molecules from an area of high concentration to an are of low concentration, a type of passive transport

- 10. a hormone that stimulates the breakdown of glycogen to increase blood glucose levels, antagonist to insulin

**Down**

- 1. movement of materials across the plasma membrane without the use of ATP
- 4. movement of water molecules from an area of high concentration to an area of low concentration, a form of passive transport
- 6. a hormone that helps in the metabolism of carbohydrates and regulates blog glucose levels