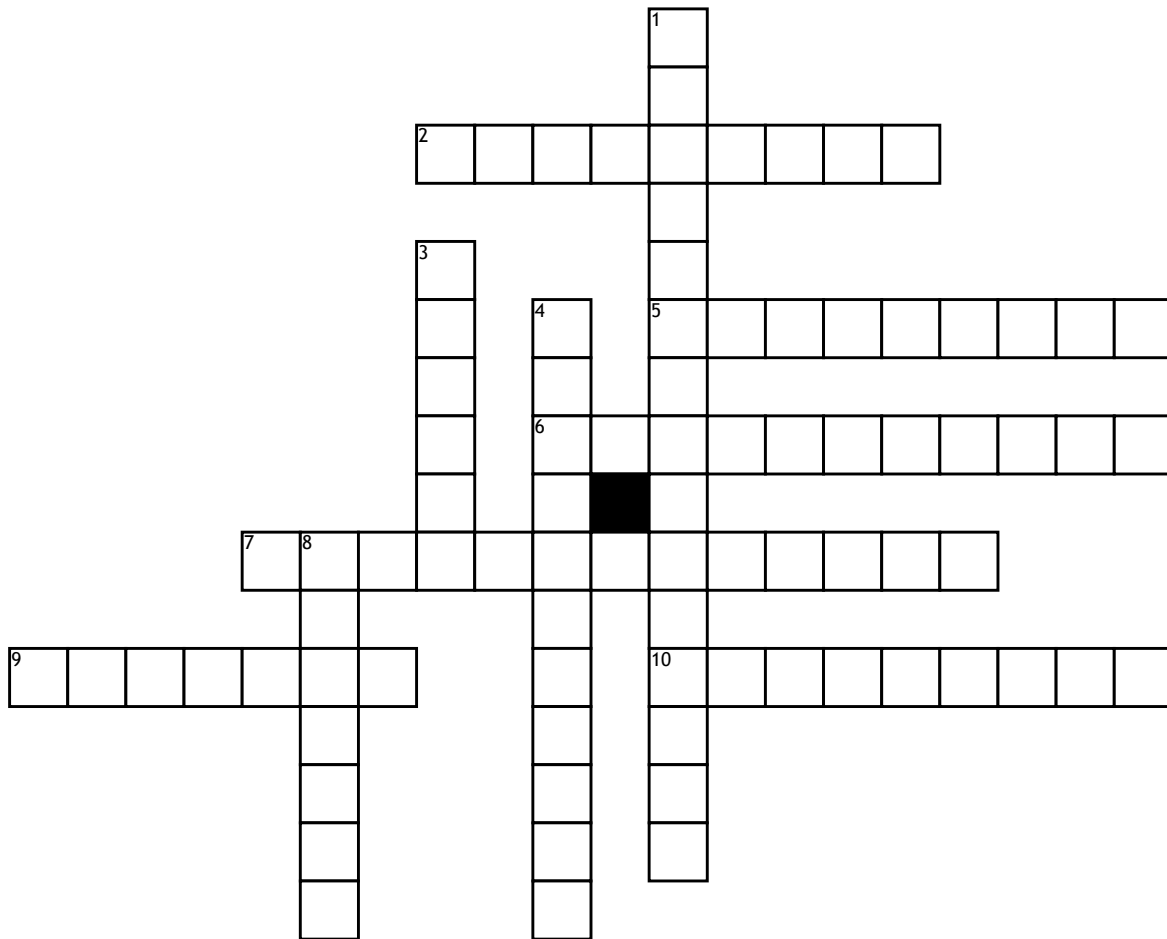


# Primary Functions of Organ Systems



## Across

2. Digestion and absorption of nutrients and water, and elimination of waste
5. Collect extracellular fluid for return to circulation; participates in immune defense
6. Exchange of CO<sub>2</sub> and O<sub>2</sub>; regulation of hydrogen ion concentration
7. Protection against injury and dehydration; defense against pathogens; regulation of body temperature
9. Regulation of plasma composition through controlled excretion of salts, water, and organic wastes

10. Regulation and co-ordination of many body activities (e.g. growth, metabolism, blood pressure, etc)

## Down

1. Support, protection, and movement of the body; production of blood cells
3. Defence against pathogens
4. Transports blood throughout the body's tissues
8. Regulation and co-ordination of many activities in the body; detection of changes in internal and external environment; states of consciousness; learning; cognition