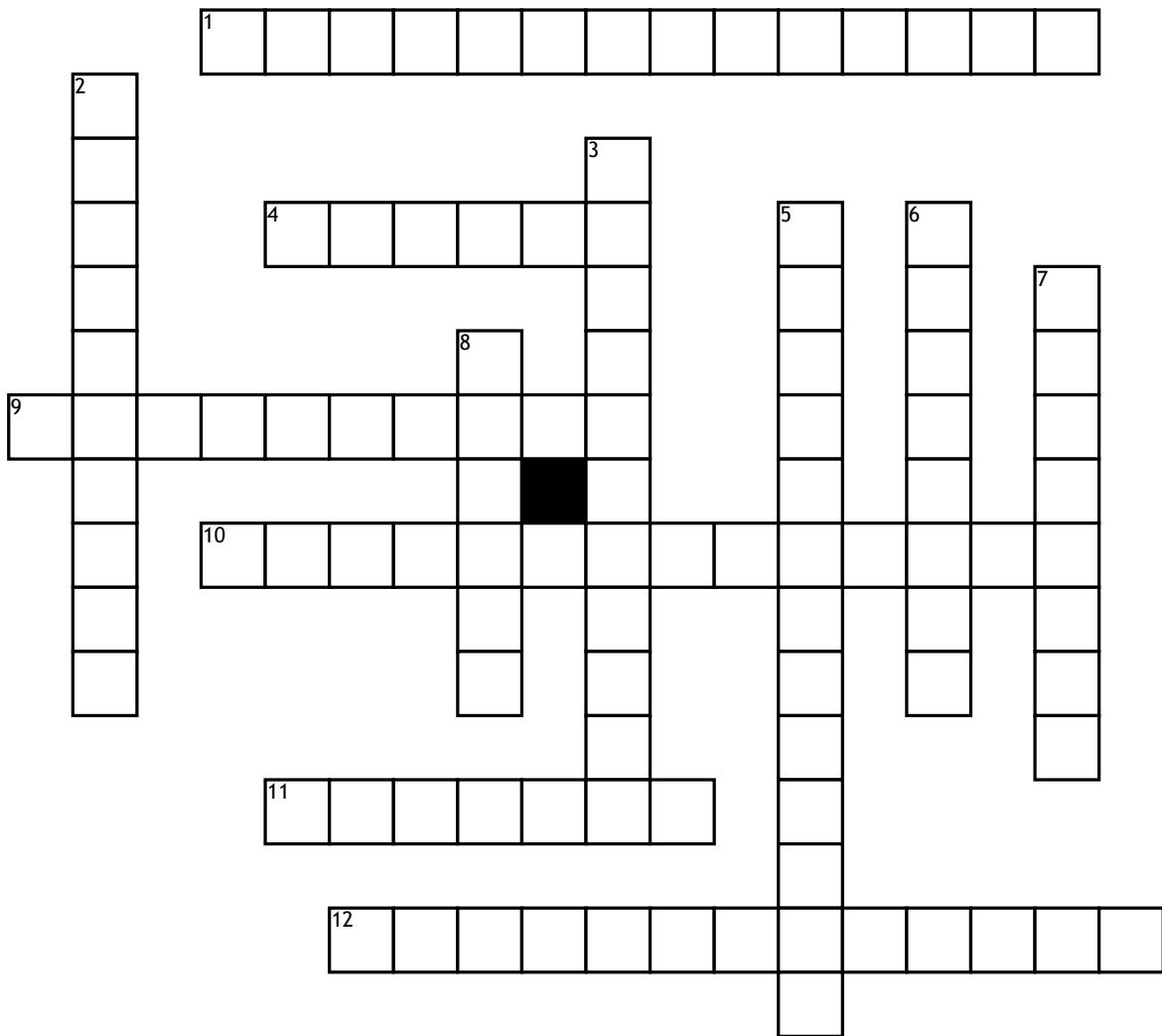


Body systems

**Across**

1. change in which one or more substances combine or break apart to form new substances
4. a type of protein that speeds up a chemical reaction in a living thing
9. building blocks of lipids

10. any change in, size, shape, or state of matter in which the identity of the substance remains the same
11. a sugar that's a major source of energy for the body
12. energy from heat

Down

2. building blocks of proteins
3. muscle contraction inside the esophagus
5. organic compounds made from one or more sugar molecules
6. chemical "messengers" of the endocrine system
7. nutrients that are made from chains of amino acids
8. energy-rich organic compounds made from chains of fatty acids