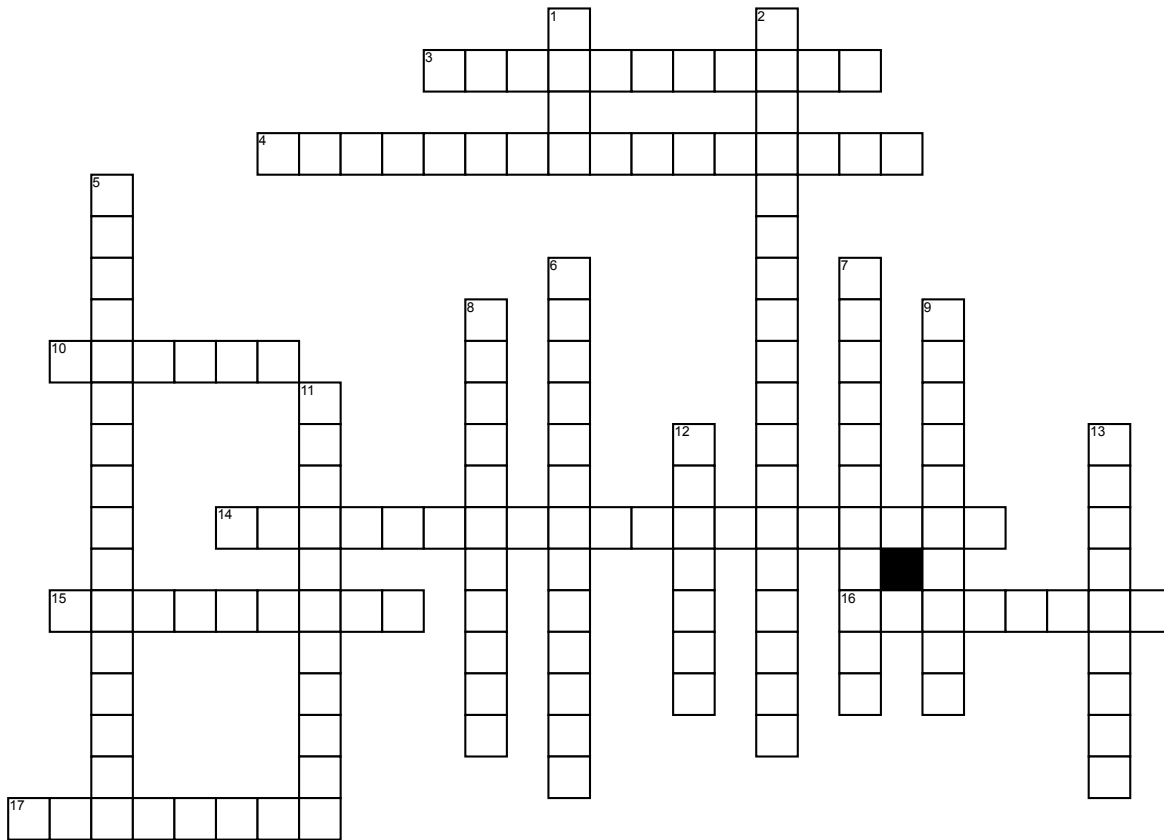


The Characteristics of Living Things



Across

- 3.** a single fertilized egg cell divides again and again to reproduce the many cells of mature organisms
4. changes to the conditions outside the body
10. a simple increase in size
14. the new organism has a single parent
15. someone who uses scientific methods to study living things
16. a signal to which an organism responds

- 17.** the way an organism reacts to a stimulus

Down

- 1.** a collection of living matter enclosed by a barrier that separates the cell from its surroundings
2. two cells from different parents unite to produce the first cell of the new organism
5. changes to the conditions inside the body
6. organisms that contain hundreds, thousands, or even trillions of cells

- 7.** involves internal feedback mechanisms that work in much the same way as a thermostat
8. living things that consist of only a single cell
9. combination of chemical reactions through which an organism builds up or breaks down materials
11. inherited by a molecule called deoxyribonucleic acid, or DNA
12. the science that seeks to understand the living world
13. the way something changes over time