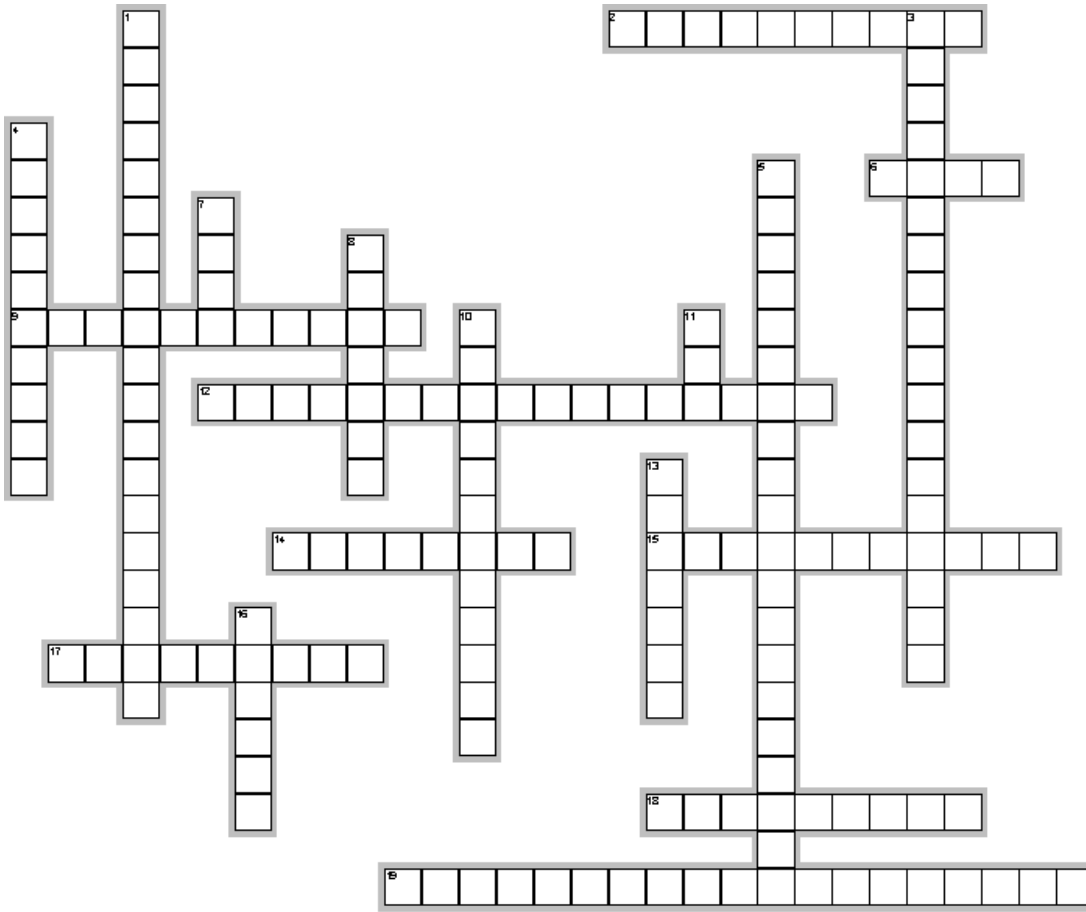


Golenberke Biology Chapter 1 Vocabulary: The Science of Biology



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Across

2. the combination of chemical reactions through which an organism builds up or breaks down materials
6. evidence; information gathered from observations
9. relatively constant internal physical and chemical conditions that organisms maintain
12. variable that is observed and that changes in response to the independent variable; also called the responding variable (2)
14. a signal to which an organism responds
15. process of noticing and describing events or processes in a careful, orderly way
17. part of Earth in which life exists including land, water, and air or atmosphere

18. a logical interpretation based on prior knowledge and experience
19. factor in a controlled experiment that is deliberately changed; also called manipulated variable (2)

Down

1. process of reproduction involving a single parent that results in offspring that are genetically identical (2)
3. type or reproduction in which cells from two parents unite to form the first cell of a new organism (2)
4. possible explanation for a set of observations or possible answer to a scientific question
5. experiment in which only one variable is changed (2)
7. particular preference or point of view that is personal, rather than scientific
8. organized way of gathering and analyzing evidence about the natural world
10. group in an experiment that is exposed to the same conditions as the experimental group except for the independent variable (2)
11. (deoxyribonucleic acid) genetic material that organisms inherit from their parents
13. scientific study of life
16. well-tested explanation that unifies a broad range of observations and hypotheses, and enables scientists to make accurate predictions about new situations

WORD BANK

asexual reproduction
bias
biology
biosphere
control group
controlled experiment
data

dependent variable
DNA
homeostasis
hypothesis
independent variable
inference
metabolism

observation
science
sexual reproduction
stimulus
theory