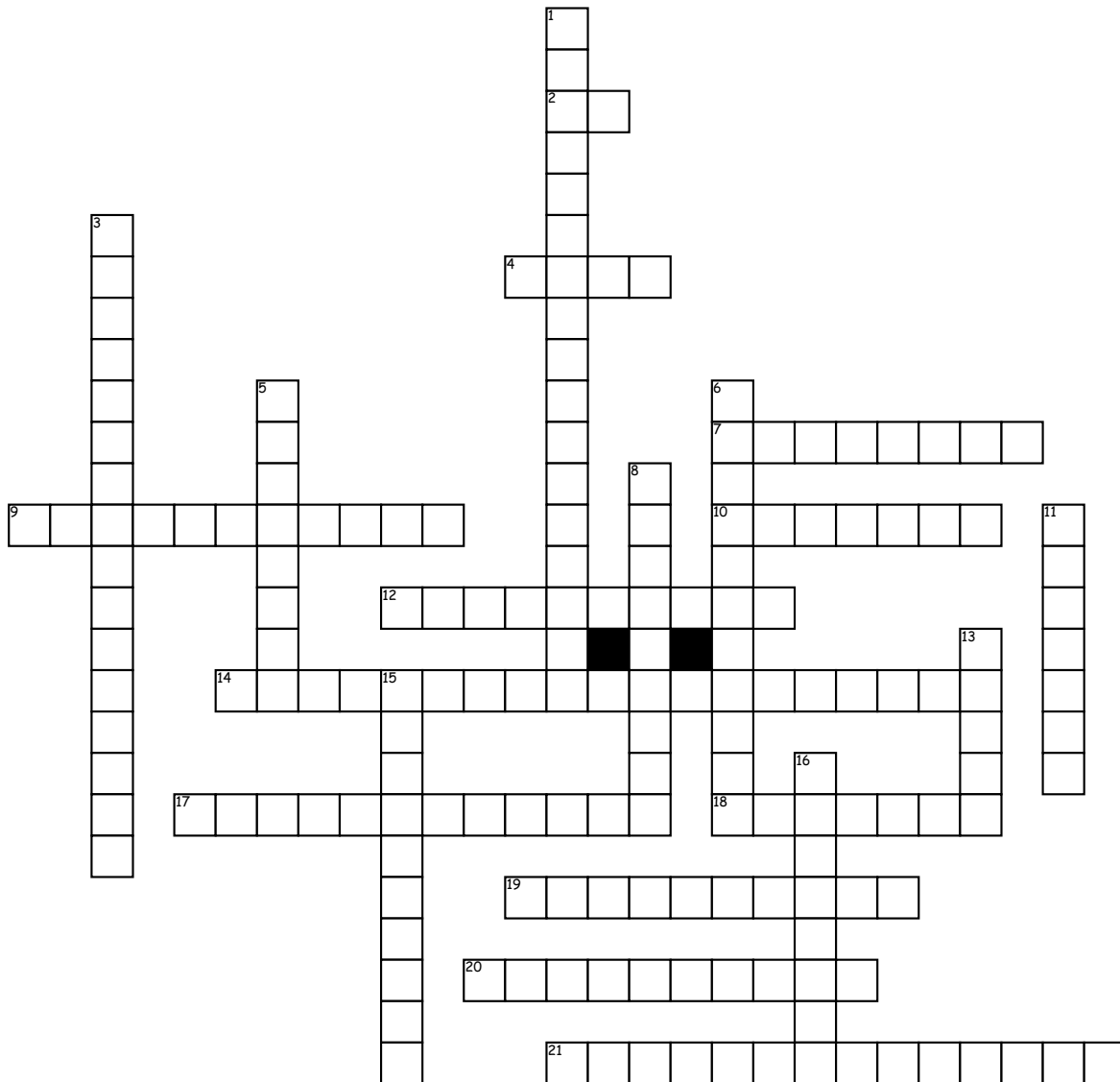


# Themes of biology and the scientific process



**Across**

- 2. Relative measurements of hydrogen ion concentration without a solution
- 4. The basic unit of heredity
- 7. an individual, plant, or single-celled
- 9. the act of nothing or perceiving object or events using the senses
- 10. The branch of biology
- 12. The sum of all the chemical reactions
- 14. The factor that is changed in an experiment
- 17. The kind by which organisms make more of their own kind from one generation to the next.

- 18. A group of genetically similar organisms that can produce fertile offspring
- 19. A planned procedure to test a hypothesis.
- 20. An educated guess, a statement that can be tested by additional observations experiment
- 21. When plants, algae, and certain bacteria capture solar energy from the sun.

**Down**

- 1. The variable that is changed in an experiment
- 3. The process in which organisms with favorable traits become more likely to survive and reproduce.

- 5. It damages causes genes to change. A change in a DNA of a gene
- 6. living organisms with a stable internal environment in order to function properly
- 8. Change in the inherited characteristics of species over generation
- 11. The study of life
- 13. highly organized tiny structures with thin coverings called membrane.
- 15. The expected out come of a test, assume; the hypothesis is correct.
- 16. The reason children seem to resemble their parents.