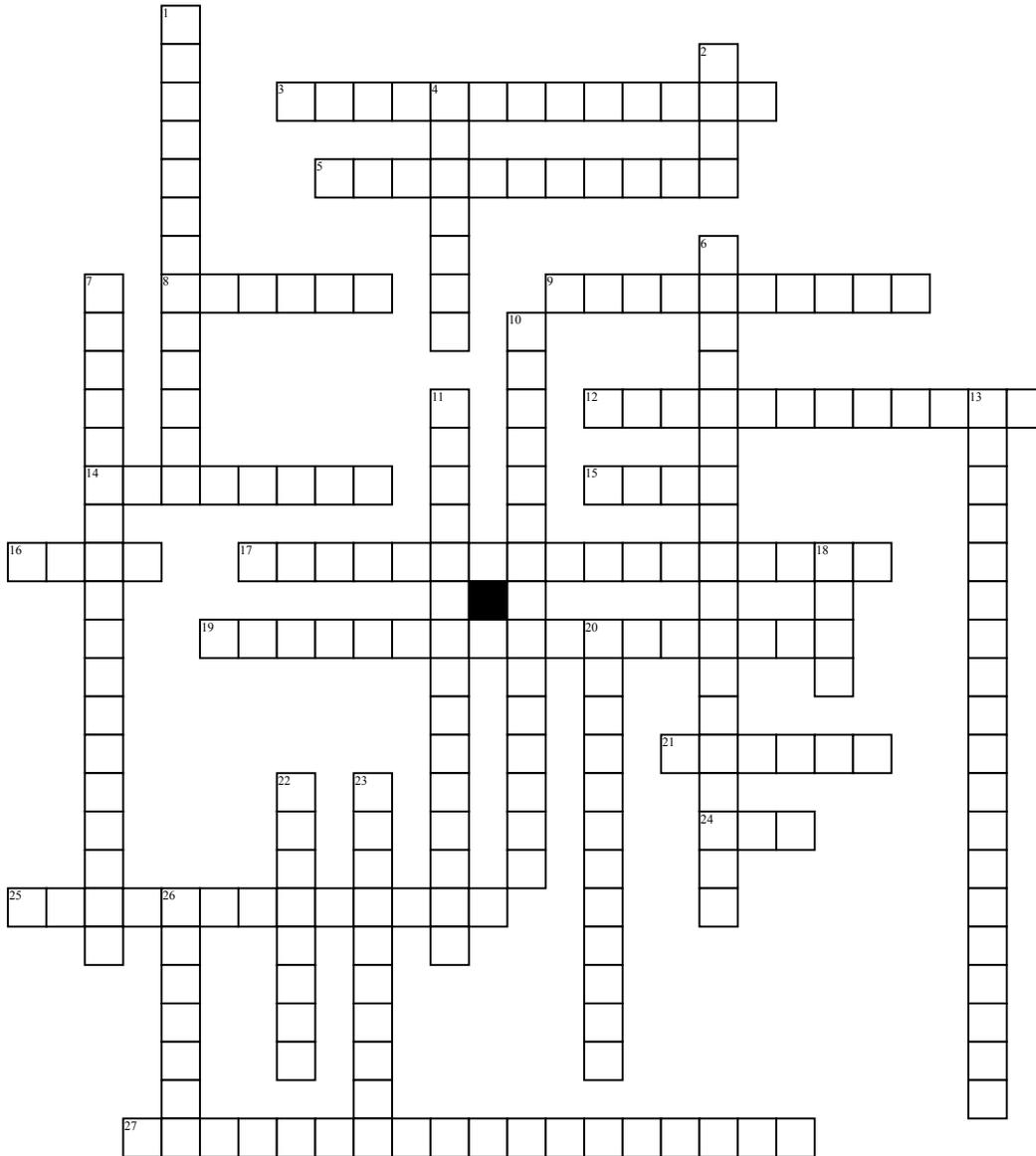


SNC2P Key Terms



Across

3. a gas in Earth's atmosphere that absorbs and prevents the escape of radiation as thermal energy; examples include carbon dioxide and methane

5. an insoluble solid formed in a chemical reaction

8. a group of interdependent parts that work together to form a single, functioning whole; in biology, a group of tissues and organs that perform specific functions

9. the bending of light as it travels, at an angle, from a material with one refractive index to a material with a different refractive index

12. light that's emitted during exposure of the source to ultraviolet light

14. the lens in a telescope through which the observer views the object and through which light leaves the telescope

15. the smallest unit that can perform the functions of life

16. a compound that produces hydrogen ions, $H^+(aq)$, when dissolved in water

17. an unspecialized cell that can become any one of an organism's body cells

19. the ratio of the speed of light in a vacuum to the speed of light in a given medium

21. tissue that forms a transparent, curved structure in the front of the eye; refracts light before it enters the eye

24. a charged particle formed from the loss or gain of one or more electrons

25. a compound composed of oppositely charged ions

27. the process by which cells develop from similar cells into those that have specific functions within a multicellular organism

Down

1. light emitted from a material because of the high temperature of the material

2. a compound that forms hydroxide ions, $OH^-(aq)$, when dissolved in water

4. the organelle that controls the cell's activities

6. a scientist who studies past climates on Earth

7. a chemical reaction in which one element takes the reaction place of another element in a compound

10. light that is produced by a biochemical reaction in a living organism

11. the effect that human activities have on the environment in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide

13. a stage of development of a living organism during which specialized cells form

18. a transparent object with at least one curved side that causes light to bend

20. the ray that is bent upon entering a second medium

22. an unspecialized cell that can produce various types of specialized cells

23. a layer of gases that surrounds a planet or moon

26. the characteristic pattern of weather conditions within a region, including temperature, wind velocity, precipitation, and other features, averaged over a long period of time