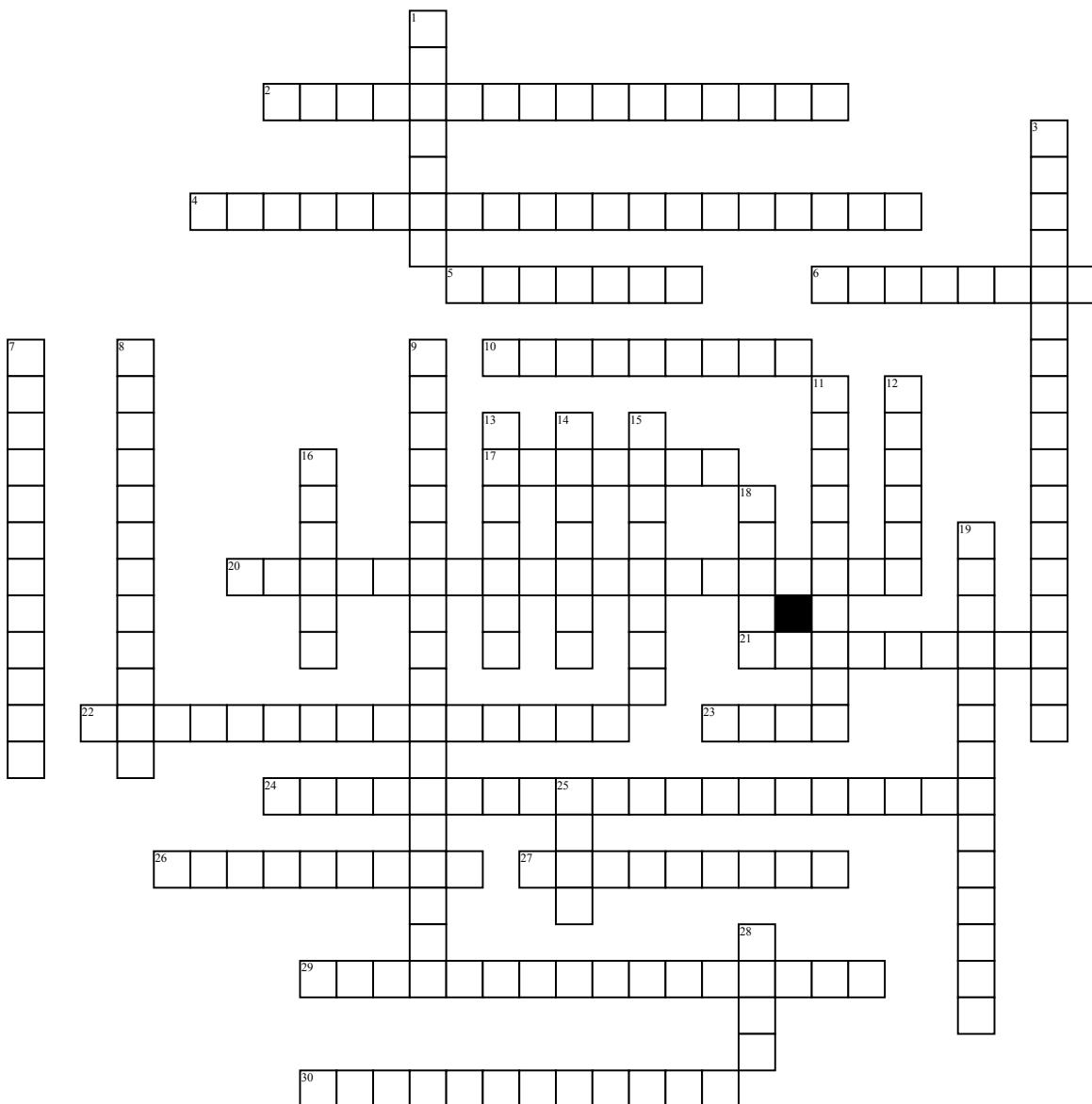


Name: \_\_\_\_\_

# Chapters 2-4



## Across

2. the process by which one or more substances change to produce one or more different substances
4. organism that obtains energy from the foods it consumes; also called a consumer
5. the general place where an organism lives
6. small animal-like and/or plant-like organisms making up foundation of aquatic food chains
10. A series of steps in which organisms transfer energy by eating and being eaten
17. Scientific study of interactions among organisms and between organisms and their environment
20. the cycling of chemical elements through the living and nonliving parts of an ecosystem
21. A biological community of interacting organisms and their physical environment.
22. A species that influences the survival of many other species in an ecosystem
23. compound that produces hydroxide ions ( $\text{OH}^-$ ) in solution

24. gradual change in living communities that follows a disturbance

26. Trees and shrubs that shed their leaves at the end of the growing season

27. part of Earth in which life exists including land, water, and air or atmosphere

29. process of converting nitrogen gas into nitrogen compounds that plants can absorb and use

30. the attraction between a hydrogen atom on one water molecule and the oxygen atom on another

## Down

1. Overall weather in an area over a long period of time
3. diagram that shows the relative amounts of energy or matter contained within each trophic level
7. compound made up of carbon, hydrogen, and oxygen atoms; major source of energy for the human body
8. each step in a food chain or food web
9. An organism that makes its own food
11. Portion of the marine biome that is shallow enough for sunlight to penetrate.
12. A type of protein that speeds up a chemical reaction in a living thing
13. The condition of Earth's atmosphere at a particular time and place.
14. The subunit that serves as the building block of a polymer.
15. two or more atoms held together by covalent bonds
16. Dense covering formed by the leafy tops of tall rain forest trees
18. An organism's particular role in an ecosystem, or how it makes its living.
19. Conversion of light energy from the sun into chemical energy.
25. compound that forms hydrogen ions ( $\text{H}^+$ ) in solution
28. basic unit of matter