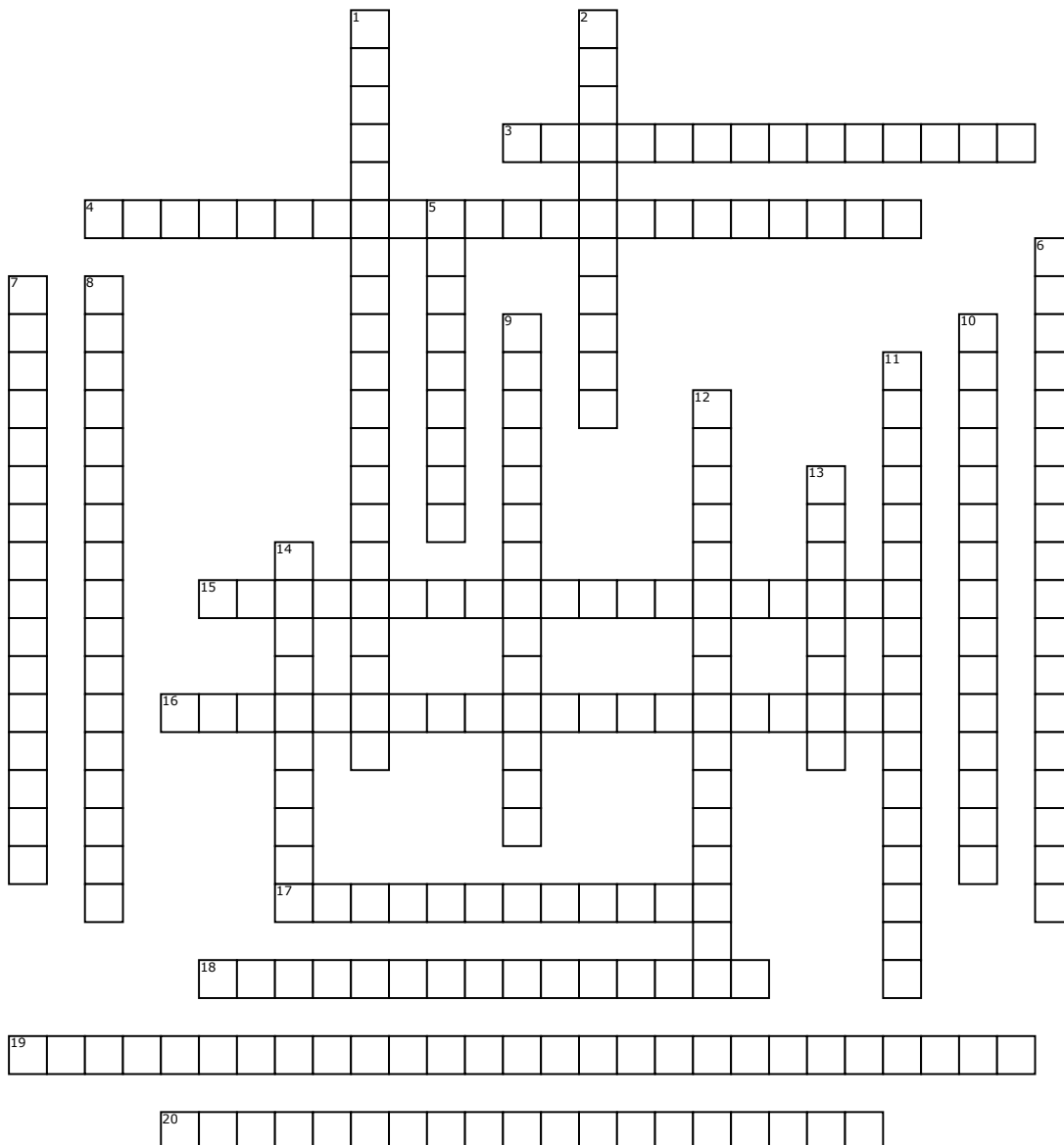


Population Growth Patterns, Human Impact, and Ecological Succession



Across

- 3.** The first organisms to grow in a new environment
- 4.** Increase food productivity
- 15.** The amount of carbon emitted and its environmental impact; a way of quantifying environmental impact
- 16.** The process of ecological change in an ecosystem where one community is replaced by another community over time
- 17.** Resources that are consumed/used more quickly than they are created
- 18.** A mature and stable community of plants and animals

19. Provide "clean" energy to power society without negatively influencing the atmosphere

20. Recovery of an old ecosystem

Down

- 1.** Increase manufacturing efficiency, transportation, and communication
- 2.** Population grows without limit
- 5.** Resources that are produced or replenished more quickly than they are consumed
- 6.** Regulate population growth regardless of its size or density
- 7.** Is the normal warming effect when gases trap heat in the atmosphere

8. Formation of a brand new ecosystem.

9. A balance between Earth's resources, human needs, and the needs of other species

10. Aspects of the environment that limit the size a population can reach

11. Measures the number of individual organisms living in a defined space

12. Operate more strongly on large, dense populations than on smaller ones.

13. Population grows quickly at first and then levels off

14. A group of organisms of the same species living in the same place