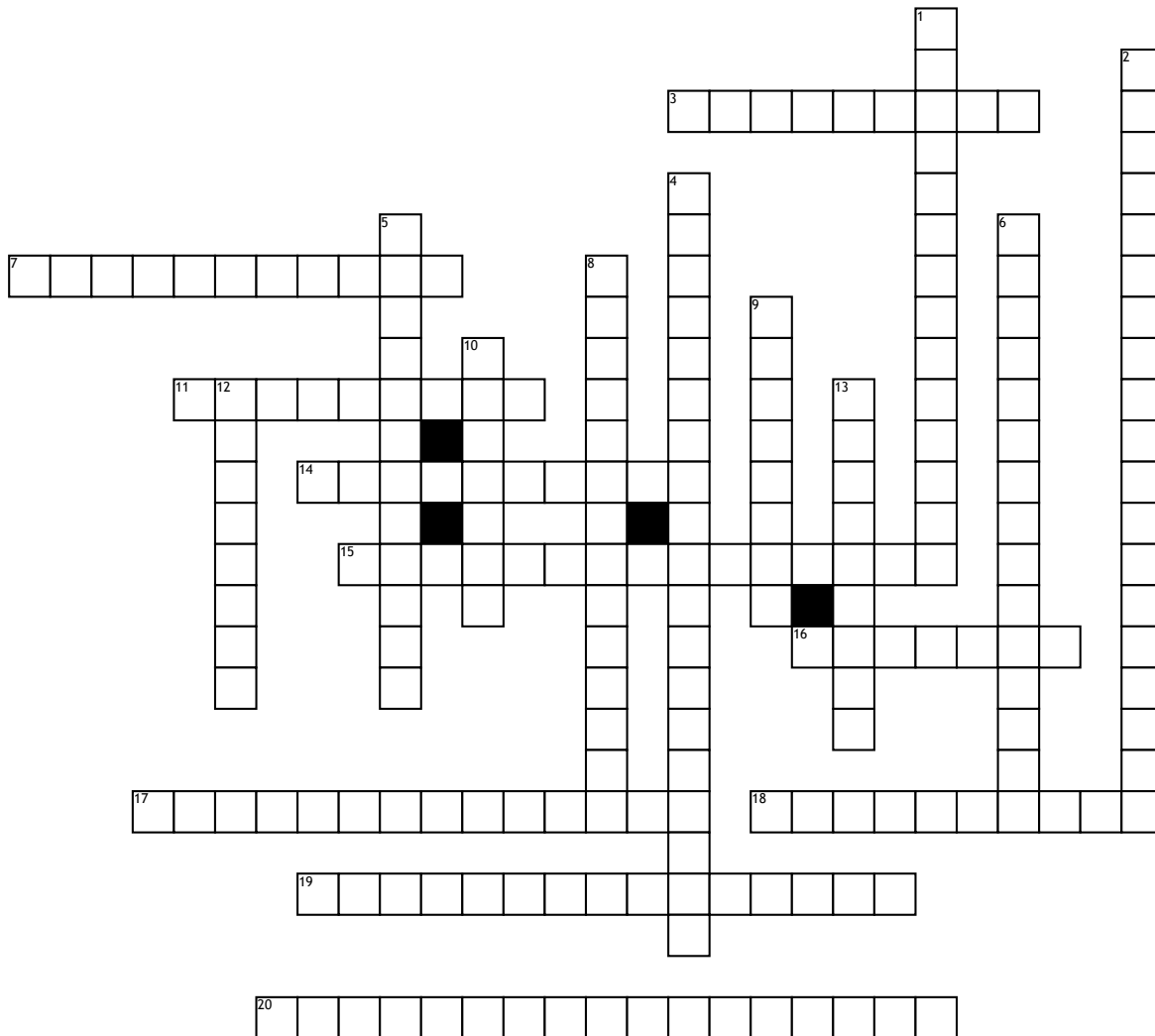


Chapter 5 Lesson 3&4



Across

3. A consumer that eats only plants.

7. organism that eats dead organic matter

11. A series of steps in which organisms transfer energy by eating and being eaten

14. An organism (bacteria, fungus) that breaks down wastes and dead organisms

15. A species that influences the survival of many other species in an ecosystem

16. A community of organisms where there are several interrelated food chains

17. Conversion of light energy from the sun into chemical energy. $6\text{CO}_2 + 6\text{H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$

18. (ecology) the gradual and orderly process of change in an ecosystem brought about by the progressive replacement of one community by another until a stable climax is established

19. autotroph; at beginning of food chain; able to use light (photosynthesis) or chemicals energy (chemosynthesis) to make food

20. Succession that begins to occur on surfaces where no soil exists.

Down

1. First species to populate an area during primary succession

2. The process by which cells use oxygen to produce energy from food

4. Succession following a disturbance that destroys a community without destroying the soil

5. Each step in a food chain

6. species that enter new ecosystems and multiply, usually harming native species and their habitats

8. Process by which some organisms, such as certain bacteria, use chemical energy to produce carbohydrates

9. An organism that eats other organisms

10. A measure of the total dry mass of organisms within a particular region

12. A consumer that eats both plants and animals

13. A consumer that eats only animals.