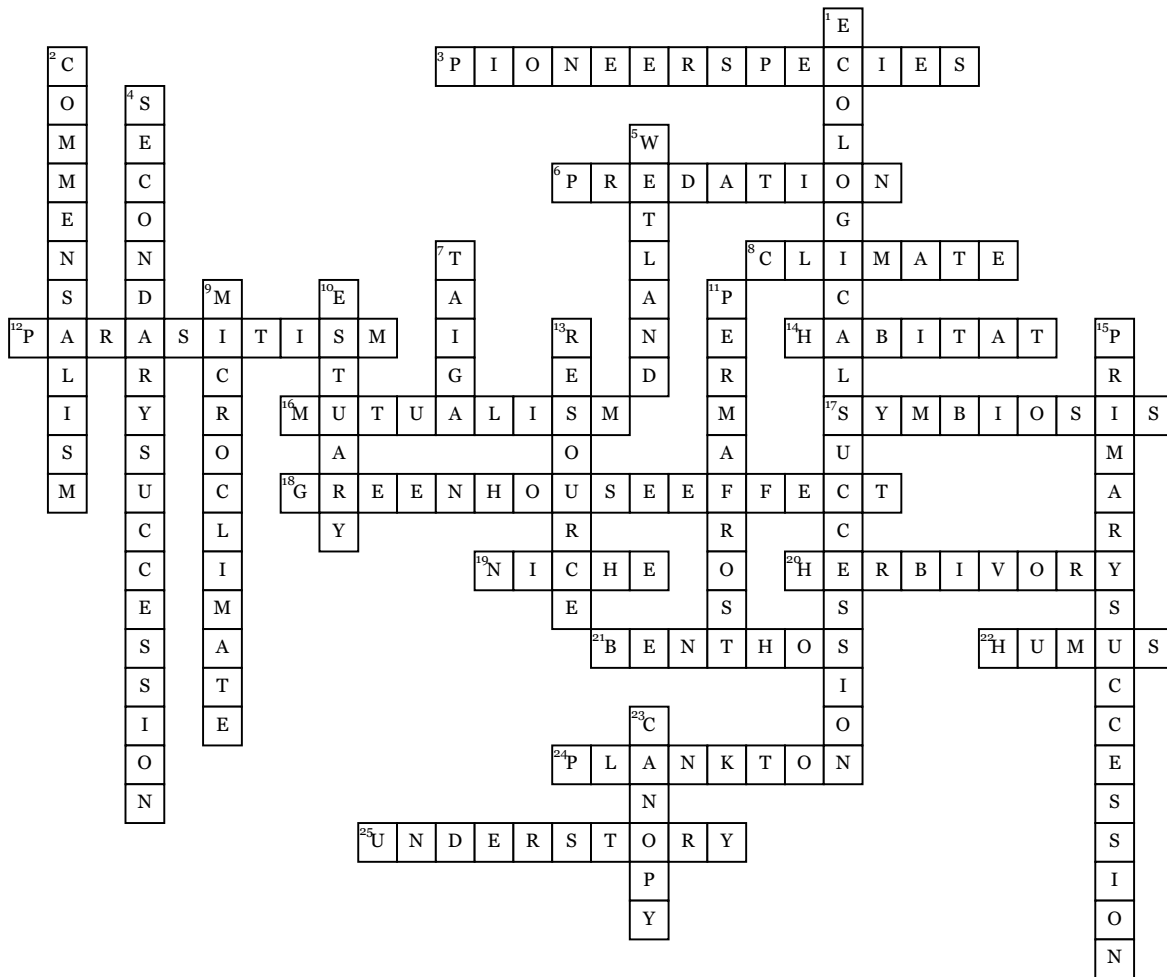


Chapter 4 Homework



Across

3. The first species to populate an area during succession

6. An interaction in which one animal captures and feeds on another animal

8. The average year-to-year conditions of temperature and precipitation in an area over a long period of time

12. The symbiotic relationship in which one organism lives on or inside another organism and harms it

14. An area where an organism lives, including the biotic and abiotic factors that affect it

16. The symbiotic relationship in which both species benefit from the relationship

17. A relationship in which two species live closely together

18. The process in which certain gases (carbon dioxide, methane, and water vapor) trap sunlight energy in Earth's atmosphere as heat

19. The full range of physical and biological conditions in which an organism lives and the way in which the organism uses those conditions

20. An interaction in which one animal feeds on producers

21. Organisms that live attached to or near the bottom of lakes, streams, or oceans

22. A material formed from decaying leaves and other organic matter

24. Typically small organisms that drift in, and may swim through, aquatic environments; includes both phytoplankton and zooplankton

25. The layer in a rain forest found underneath the canopy formed by shorter trees and vines

Down

1. A series of gradual changes that occur in a community following a disturbance

2. The symbiotic relationship in which one organism benefits and the other is neither helped nor harmed

4. A type of succession that occurs in an area that was only partially destroyed by disturbances

5. An ecosystem in which water either covers the soil or is present at or near the surface for at least part of the year

7. A biome with long cold winters and a few months of warm weather; dominated by coniferous evergreens; also called boreal forest

9. Environmental conditions within a small area that differ significantly from the climate of the surrounding area

10. A kind of wetland formed where a river meets the ocean

11. A layer of permanently frozen subsoil found in the tundra

13. Any necessity of life, such as water, nutrients, light, food, or space

15. The succession that occurs in an area in which no trace of a previous community is present

23. A dense covering formed by the leafy tops of tall rain forest trees