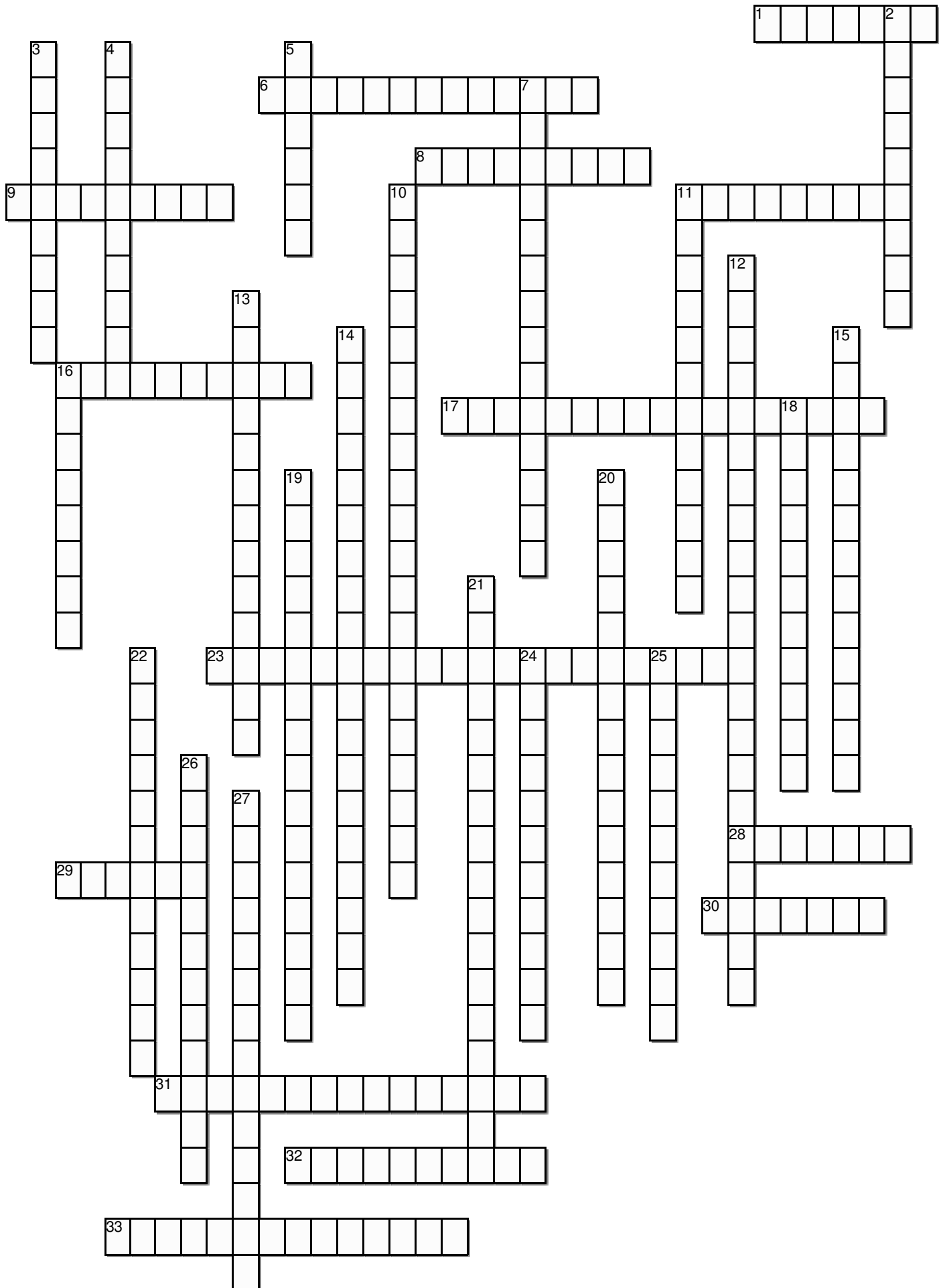


# APES "A-C" vocabulary

Complete the crossword below



## **Across**

1. unwanted marine creatures that are caught in the nets while fishing for another species
6. capable of being broken down by decomposers
8. topmost mineral horizon, often referred to as the 'topsoil'.
9. producer
11. The zone of accumulation in soil below the A horizon (zone of leaching). Also known as illuvial horizon; subsoil; zone of accumulation; zone of illuviation.
16. area where the earth's lithospheric plates are pushed together
17. maximum population of a particular species that a given habitat can support over a given period
23. The chemical interactions that exist between the atmosphere, hydrosphere, lithosphere, and biosphere.
28. nonliving
29. ability of a surface to reflect light
30. Any of various flammable mixtures of hydrocarbons and other substances found in asphalt and tar; occur naturally or are produced from petroleum and coal.
31. plowing and planting across the changing slope of land, rather than in straight lines, to help retain water and reduce soil erosion
32. chemicals, ionizing radiation and viruses that cause or promote the development of cancer.
33. decomposers convert organic waste into ammonia

## **Down**

2. populations of all species living and interacting in an area at a particular time
3. wealth that results in high levels of consumption and unnecessary waste of resources, based mostly on the assumption that buying more and more material goods will bring fulfillment and happiness
4. any genetically controlled structural, physiological, or behavioral characteristic that helps an organism survive and reproduce under a given set of environmental conditions.
5. living
7. taiga
10. a system of solar heating that uses pumps to transfer heat energy, typically in water and air heating
11. a watery region settled by organisms dwelling on or in the bottom soil of a body of water
12. Differentiation of populations in geographical isolation to the point where they are recognized as separate species.
13. method of timber harvesting in which all trees in a forested area are removed in a single cutting
14. organic compounds that deplete the earth's atmosphere and increase the greenhouse effect
15. zone within the earth's mantle made up of hot, partly melted rock that flows and can be deformed like soft plastic.
16. carnivores, herbivores, omnivores and detritivores; organisms that cannot synthesize the organic nutrients it needs
18. two or more individual organisms of a single species (intraspecific\_\_\_\_) or two or more individuals of different species (interspecific\_\_\_\_) attempting to use the same scarce resources in ecosystem
19. The increasing concentration of a substance, such as a toxic chemical, in the tissues of organisms at successively higher levels in a food chain
20. The accumulation of a substance, such as a toxic chemical, in various tissues of a living organism
21. Any thermodynamic procedure which takes place in a system without the exchange of heat with the surroundings.
22. The variability among living organisms on the earth, including the variability within and between species and within and between ecosystems.
24. land that can be cultivated to grow crops
25. evolution in which two or more species interact and exert selective pressures on each other that can lead to each species to undergo adaptations
26. The deeper part of the ocean where sunlight is absent
27. process by which certain organisms extract inorganic compounds from their environment and convert them into organic nutrient compounds without the presence of sunlight