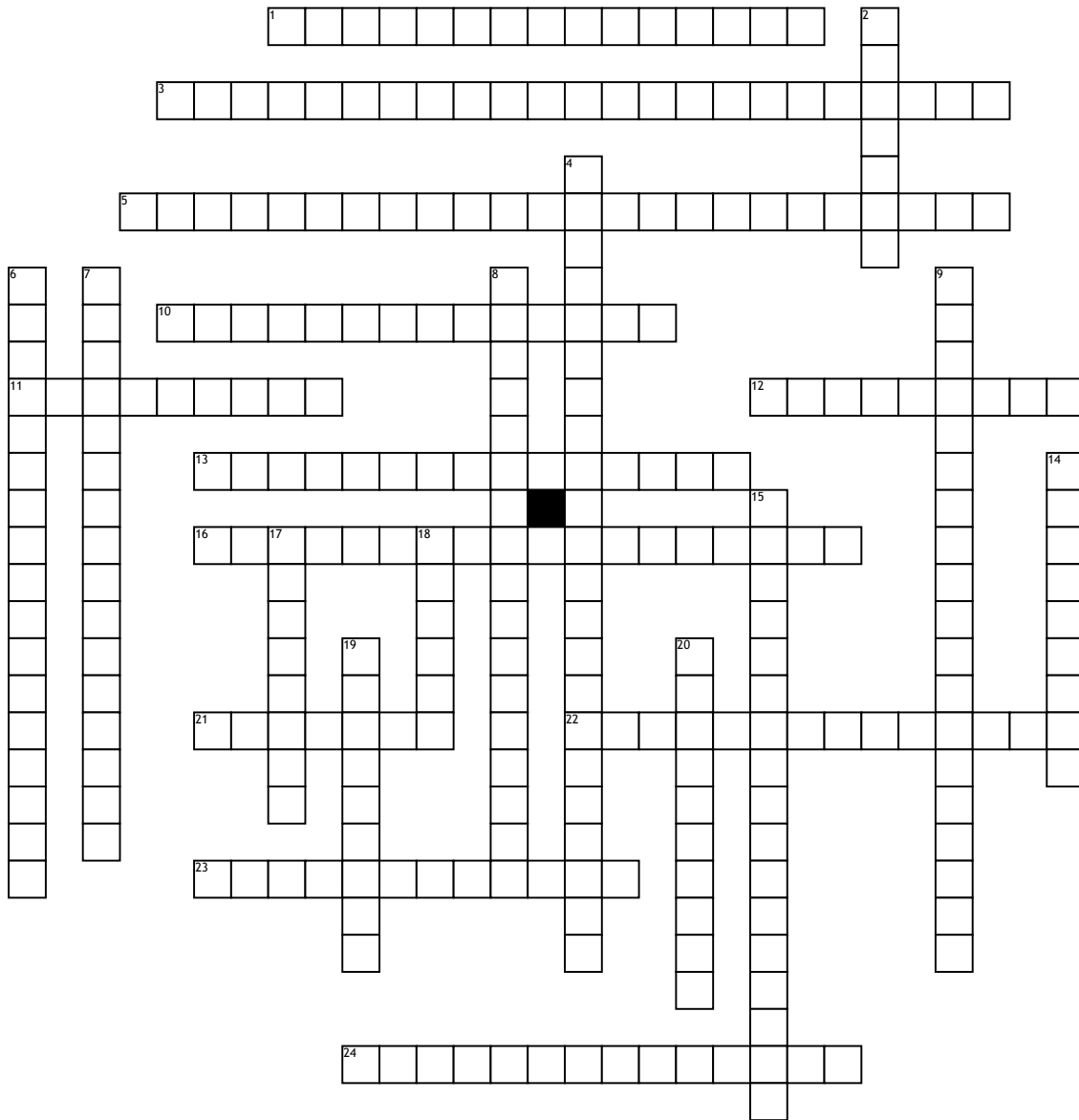


Activity 5



Across

- 1. a variable of a system that, if subject to a small change, causes a non-negligible change in a output or other measure of the system
- 3. of or characterized by the absence of life or living organisms
- 5. any factor limiting the size of a population whose effect is not dependent on the number of individuals in the population
- 10. the extinction of a large number of species within a large amount of time
- 11. the state of being subject to death
- 12. the living together of 2 dissimilar organisms
- 13. a species on which other species in a ecosystem largely depend
- 16. a resource which can be used repeatedly

- 21. of or characterized by the absence of life or living organisms
 - 22. an ecological phenomenon triggered by the addition or removal of top predators
 - 23. the variety of life in the world or in a particular ecosystem or habitat
 - 24. the ability to be maintained at a certain rate or level
- Down**
- 2. no longer in existence
 - 4. factors whose effects on the size growth of the population vary with the population density
 - 6. one of 2 types of biological and ecological succession of plant life
 - 7. the maximum, equilibrium number of organisms of a particular species that can be supported indefinitely in a given environment.

- 8. the many and varied benefits that human freely gain from the natural environment and from properly-functioning ecosystems
- 9. the series of community changes which takes place on a previously colonized but damages habitat
- 14. a biological community of interacting organisms and their physical environment
- 15. graphical representation of the relationship between different organisms in an ecosystem
- 17. birthrate
- 18. relating to or resulting from living things
- 19. the doctrine that mutual dependence is necessary to social well being
- 20. all the inhabitants of a particular area