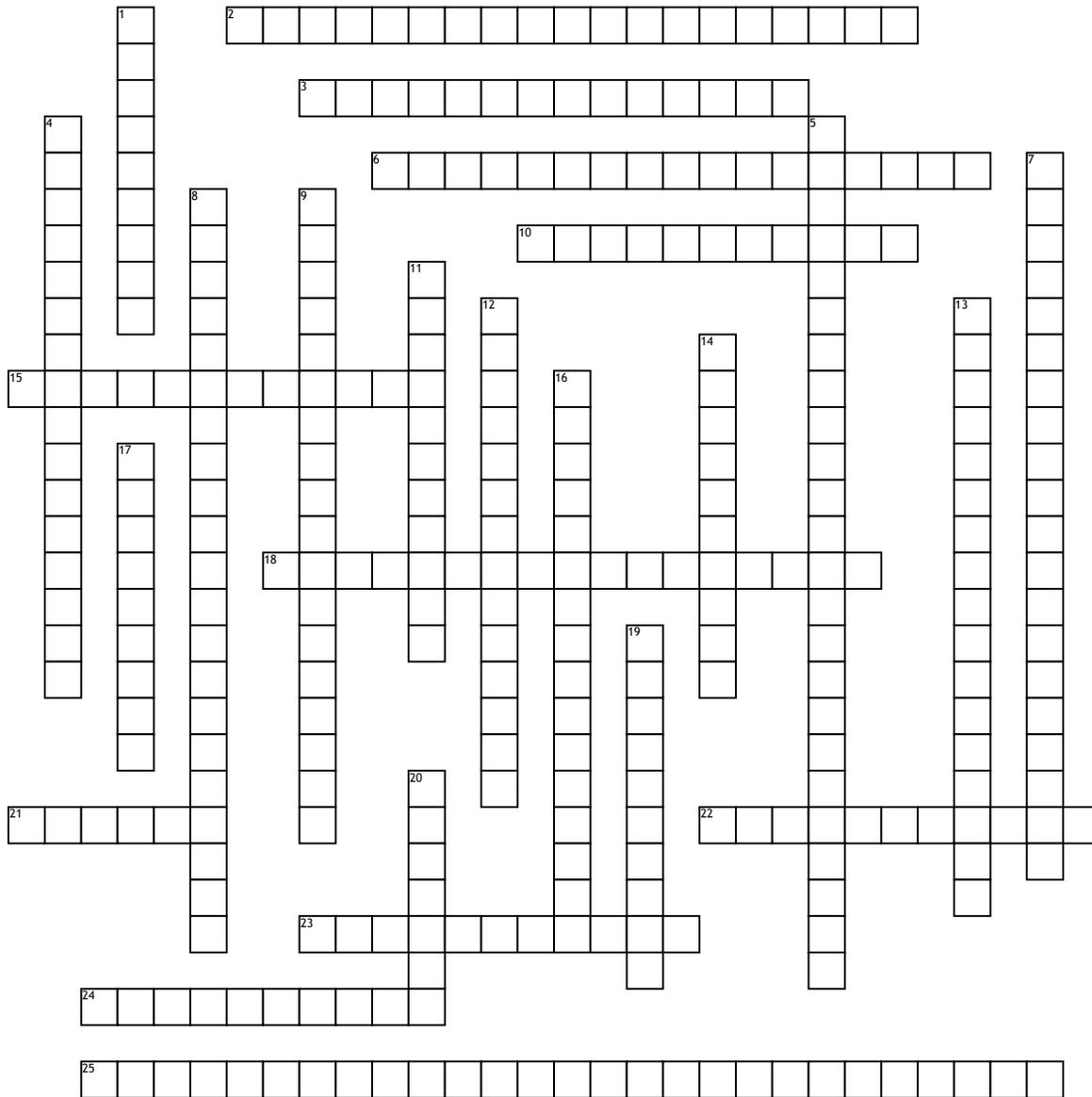


Biology Chapter 53



Across

2. Measures human demand on nature
3. The defense of a bounded physical space against encroachment
6. The study of populations in relation to their environment
10. Having one big reproductive opportunity before death
15. The relative number of individuals of each age in a population
18. Age specific summary of the reproductive rates in a population
21. A group of individuals of the same age
22. Producing smaller numbers of offspring many times throughout life
23. Influx of individuals from other areas
24. The study of vital statistics of populations and how they change over time

25. A population whose members all have access to abundant food and are free to reproduce to at their physiological capacity will undergo

Down

1. A group of individuals of a single species living in the same area
4. Maximum number of individuals that an environment can support
5. A population growth model where the per capita rate of increase approaches 0 as the carrying capacity is reached
7. When per capita birth rates and per capita death rates cancel each other out
8. The movement towards 0 population growth by low birth rates and low death rates
9. A birth of death rate that does not change with population density is said to be

11. Traits that affect an organism's schedule of reproduction and survival
12. When a number of local populations are linked
13. A plot of the proportion or numbers in a cohort still alive at each age
14. Movement of individuals out of a population
16. A birth or death rate that fluctuates with population density is said to be
17. Age specific summaries of the survival pattern of a population
19. Pattern of spacing among individuals within a population
20. Number of individuals per unit of volume