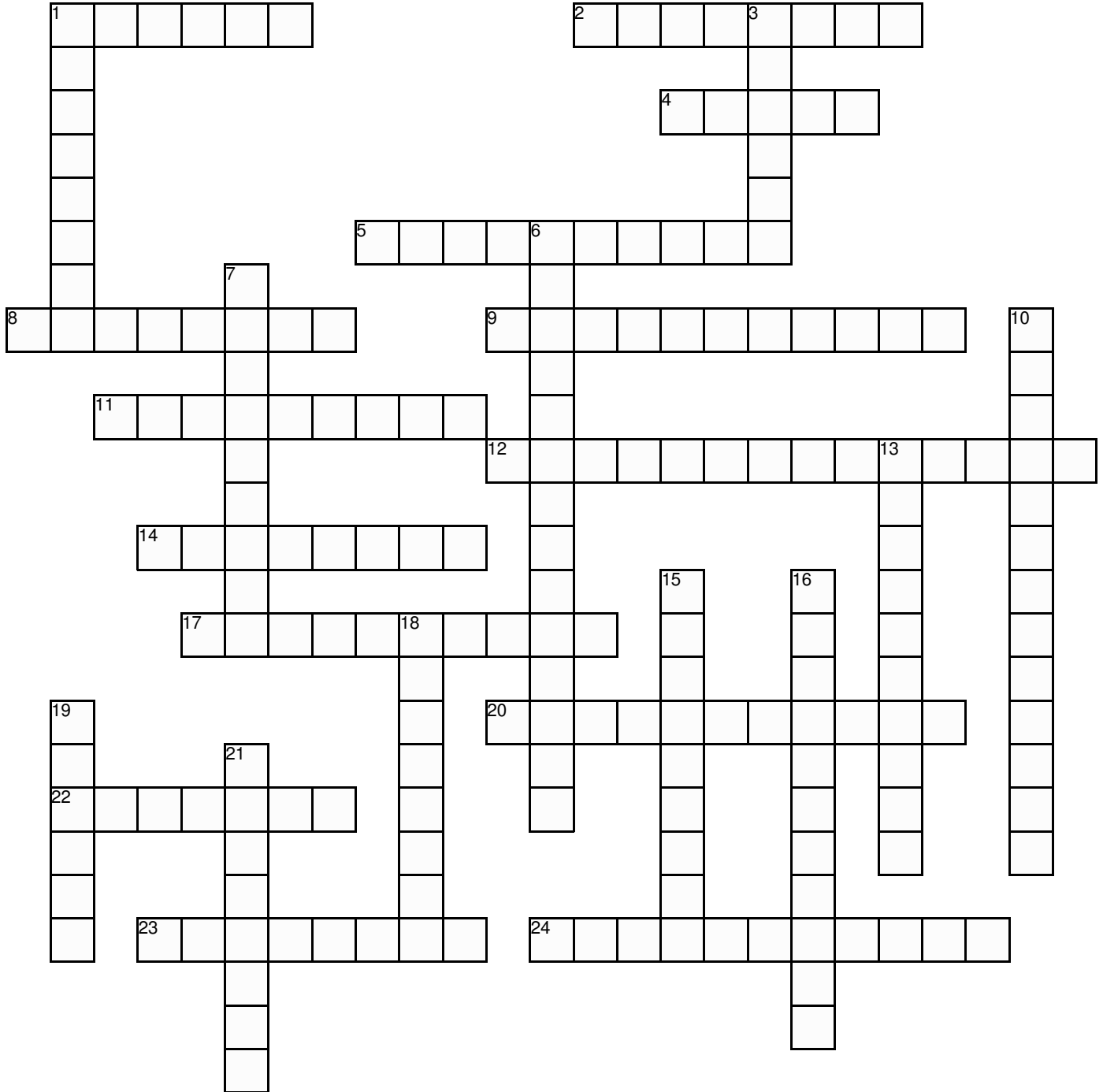


Name: \_\_\_\_\_

# Vocabulary

Complete the crossword below



## **Across**

1. The ability to do work
2. A process used to make a design as functional as possible within the give constraints
4. A three dimensional representation of an object
5. The way people use resources to meet their needs and wants
8. A person who designs a variety of things
9. Using technology to solve problems
11. A measurement in one direction
12. A tool to help select the best solution
14. Desired specification of a product
17. An improvement of an existing product
20. A limit to the design process
22. The study of our natural world
23. A person who purchases goods or services
24. To observe closely

## **Down**

1. To form an idea about the amount of value, to assess
3. Change to ensure accuracy
6. the science and technology of building devices that are very small (atom sized)
7. A new product that never existed before
10. A systematic problem solving strategy used to develop many possible solutions
13. Pleasing in appearance
15. A full scale working model used to test a design
16. A written plan that identifies a problem to be solved
18. notes (on a sketch) to provide further information
19. a group of interacting elements that function together as a whole to accomplish a goal
21. A person who uses technology to solve practical problems