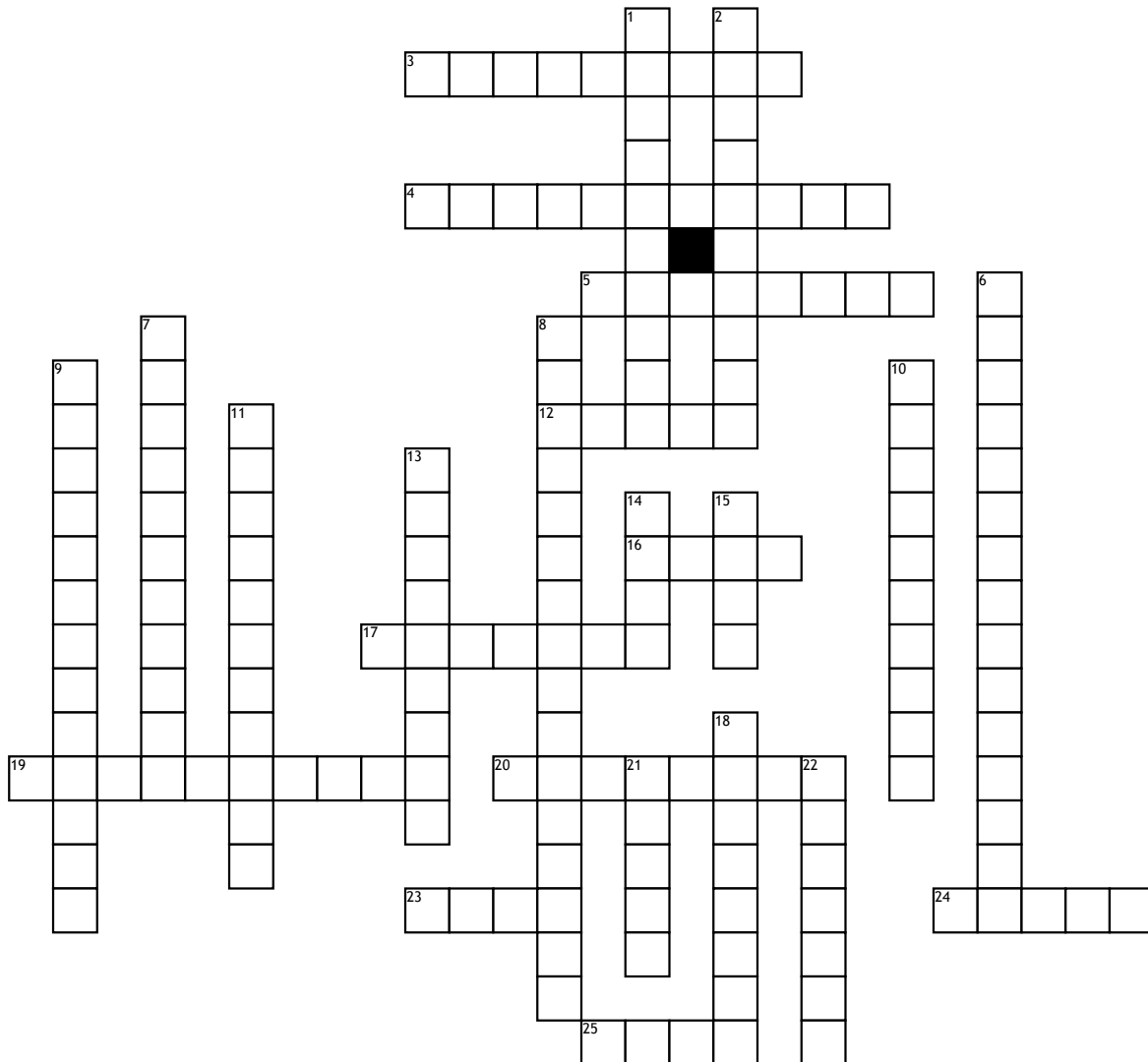


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Crossword



## Across

3. a temporary dam built to divert a river around a construction site so the dam can be built on dry ground  
 4. consists of an assembly of triangles. These bridges are commonly made from a series of straight, steel bars  
 5. the weight of the stuff on the structure itself  
 12. a force that causes parts of a material to slide past one another in opposite directions  
 16. a vertical supporting structure, such as a pillar  
 17. an action that twists a material  
 19. the natural or prepared ground or base on which some structure rests  
 20. the outermost end supports on a bridge, which carry the load from the deck

23. weight distribution throughout a structure; loads caused by wind, earthquakes, and gravity, for example, affect how weight is distributed throughout a structure

24. A steel reinforced rod in concrete  
 25. to curve

## Down

1. a curved structure that converts the downward force of its own weight  
 2. This bridge is a bridge built using cantilevers, structures that project horizontally into space, supported on only one end.  
 6. A bridge made of more than one material  
 7. a pressing force that squeezes a material together

8. a bridge in which the roadway deck is suspended from cables that pass over two towers

9. Fear of bridges

10. a bridge, composed of horizontal beams supported by vertical posts

11. a bridge in which the roadway deck is suspended from cables anchored to one or more towers

13. a porous variety of volcanic tuff or ash used in making hydraulic cement.

14. the distance a bridge extends between two supports

15. supported roadway on a bridge

18. the weight of the structure itself

21. a rigid frame composed of short, straight pieces joined to form a series of triangles or other stable shapes

22. a stretching force that pulls on a material