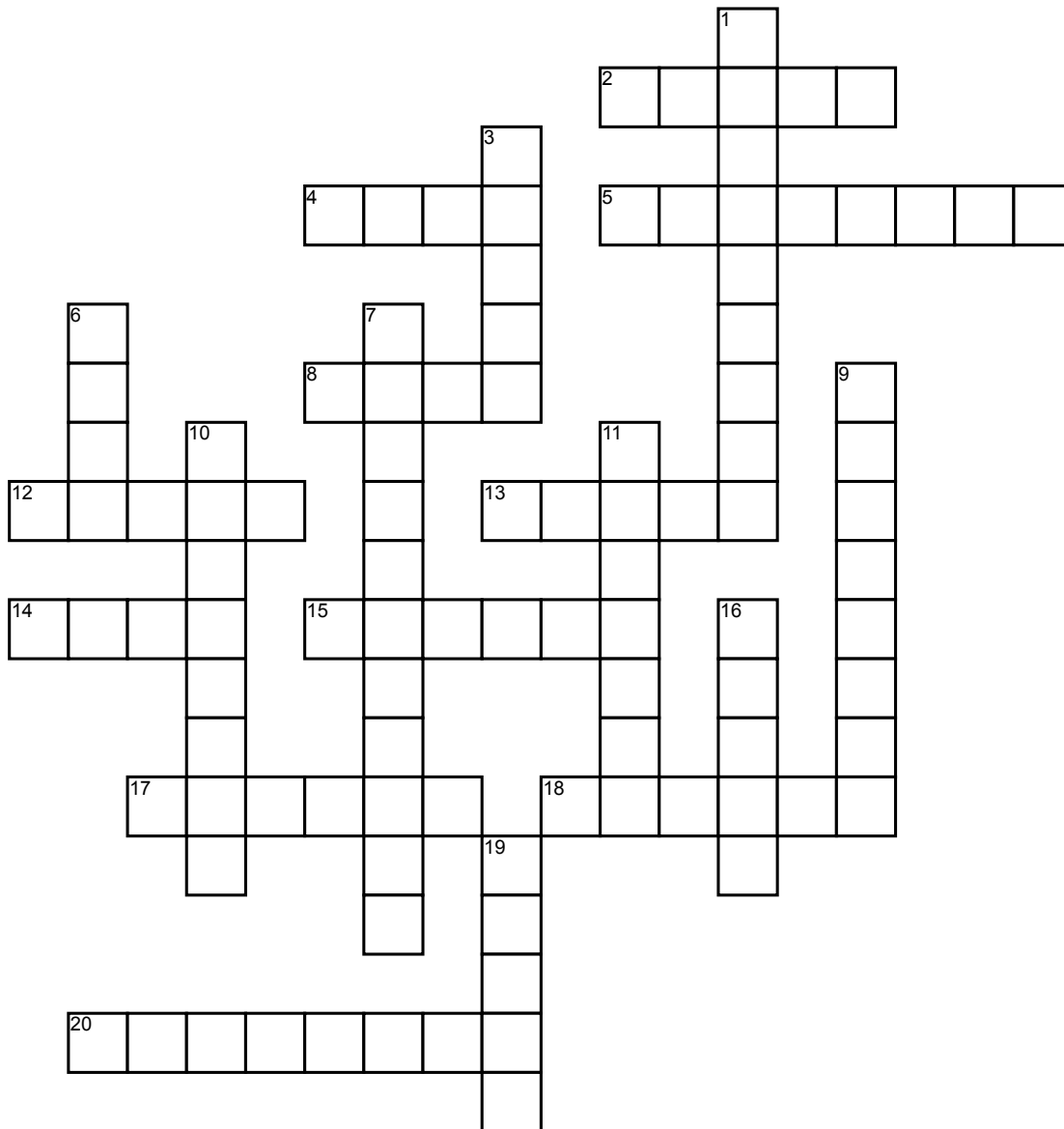


Name: _____

Date: _____

Awim



Across

2. strength or energy as an attribute of physical action or movement

4. a symbol or other design adopted by an organization to identify its products, uniform, vehicles

5. the action of rotating around an axis or center.

8. one of a set of toothed wheels that work together to alter the relation between the speed of a driving mechanism (such as the engine of a vehicle or the crank of a bicycle) and the speed of the driven parts (the wheels).

12. a circular object that revolves on an axle and is fixed below a vehicle or other object to enable it to move easily over the ground

13. a surface of which one end or side is at a higher level than another; a rising or falling surface

14. rod or spindle (either fixed or rotating) passing through the center of a wheel or group of wheels

15. a wheel or other part in a mechanism that receives power directly and transmits motion to other parts

17. operated, moved, or controlled by a specified person or source of power

18. a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is built or made

20. an amount of space between two things or people.

Down

1. a first, typical or preliminary model of something, especially a machine, from which other forms are developed or copied

3. a machine, especially one powered by electricity or internal combustion

6. lock together or be engaged with another gearwheel

7. the size, length, or amount of something, as established by measuring.

9. the resistance that one surface or object encounters when moving over another

10. perpendicular distance from the axis of rotation to the line of action of the force. Torque calculation. Torque expressions: Trigonometric. Vector Product

11. a twisting force that tends to cause rotation.

16. the quantitative relation between two amounts showing the number of times one value contains or is contained within the other.

19. the rate at which someone or something is able to move or operate