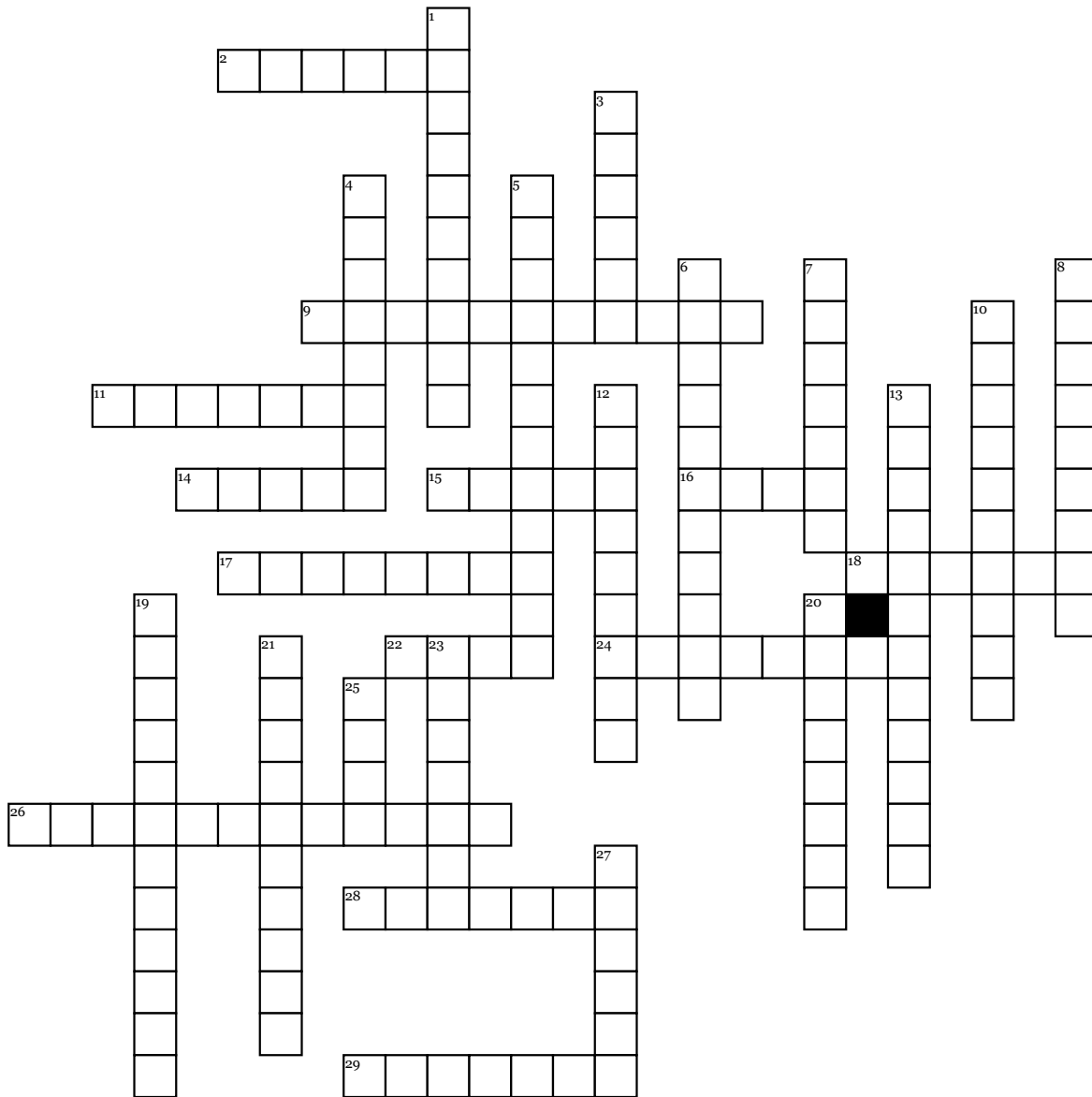


Name: _____

Date: _____

Science



Across

- 2.** The unit for force, symbol N
9. using a table to mark a scale correctly
11. A material that will bounce back to shape after the force is stopped
14. Forces are balanced when a bike is going at constant _____
15. It can push, pull or twist
16. Generated by friction
17. A force caused by one surface sliding over another
18. Gave us three laws of motion
22. The amount of matter in an object
24. Friction provides this 'grip' to allow movement
26. Speeding up
28. Measure mass

- 29.** A force that actually touches the object

Down

- 1.** These forces will cause acceleration, deceleration, change in direction or shape
3. Force provided by a jet engine or propeller
4. These forces give no overall force
5. Useful in reducing friction on wheels and axles
6. A method of smoothing a surface to reduce friction
7. A non-contact force that attracts objects to each other
8. Something that will reduce friction
10. A force that does not touch, e.g. gravity

- 12.** A material that will be permanently distorted
13. Happens when there is no 'grip'
19. Slowing down
20. The metric unit for mass
21. Uses a cushion of air to reduce friction
23. The shape of a wing
25. Force provided by a wing
27. The pulling force of gravity