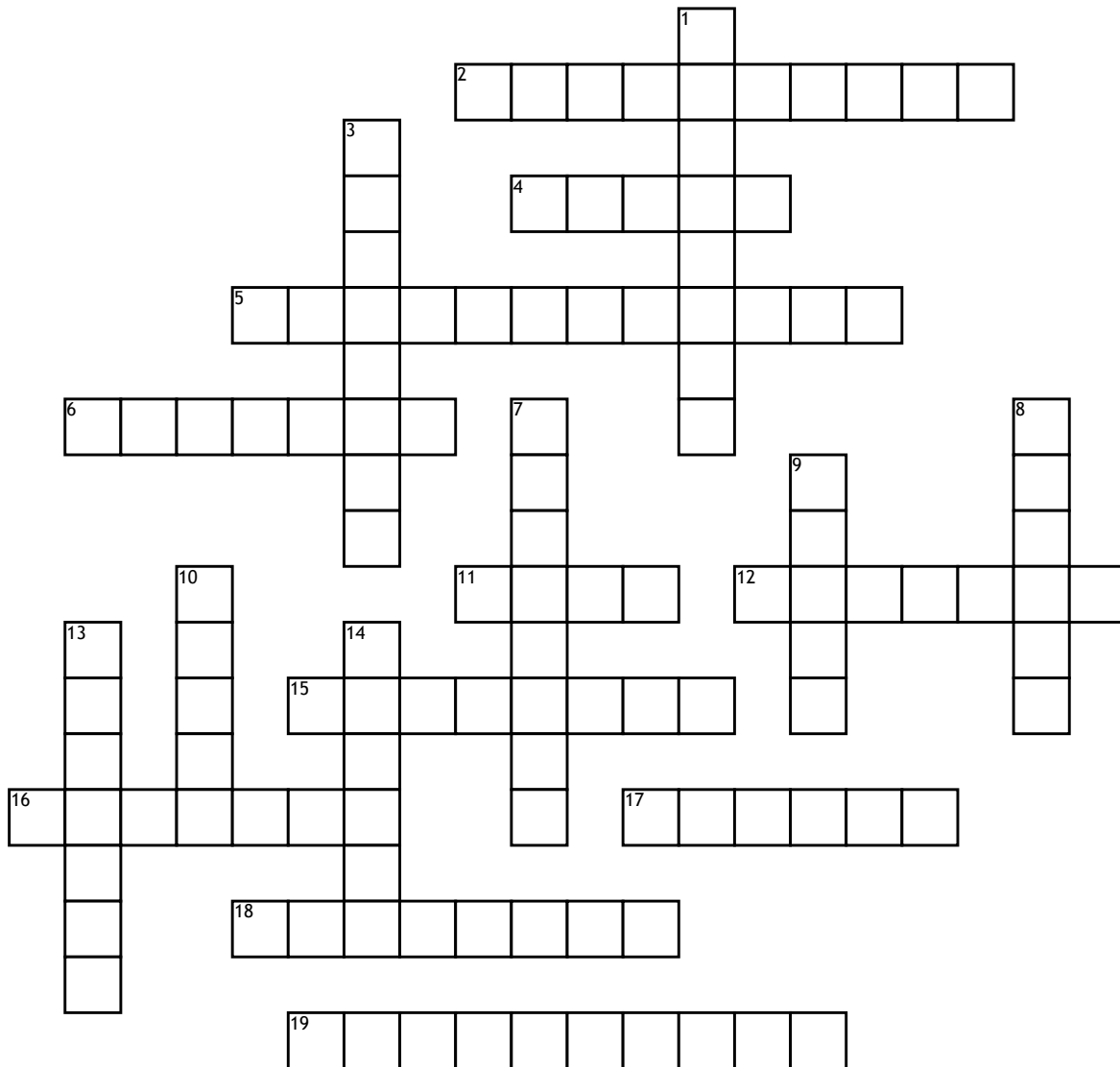


Name: _____

Date: _____

Forces Cross Word



Across

- 2. the dips and bumps on the surface of an object are called _____; can be seen under a microscope
- 4. the rate of change in an object's distance traveled over time
- 5. the rate of change in an object's velocity
- 6. the tendency of an object to resist any change in its motion
- 11. how much matter an object has
- 12. an attractive force between any two objects that depends on the mass of the objects and the distance between them

15. how fast something is going and its direction

- 16. a kind of friction caused by microwelds breaking and then forming again
- 17. the kind of friction between two objects at rest
- 18. when two or more forces act on an object at the same time, the forces combine
- 19. if two forces are not cancelling each other out, they are called _____ forces

Down

1. the product of an object's mass and velocity; $p=mv$

3. the force that opposes the sliding motion of two surfaces touching each other

- 7. if two forces cancel each other out they can be called _____ forces
- 8. the unit for force is called a
- 9. a push or a pull
- 10. a region of space that has a physical gravity (such as force) at every point
- 13. the kind of friction that is between a rolling object and the surface it rolls on
- 14. the gravitational force exerted on an object