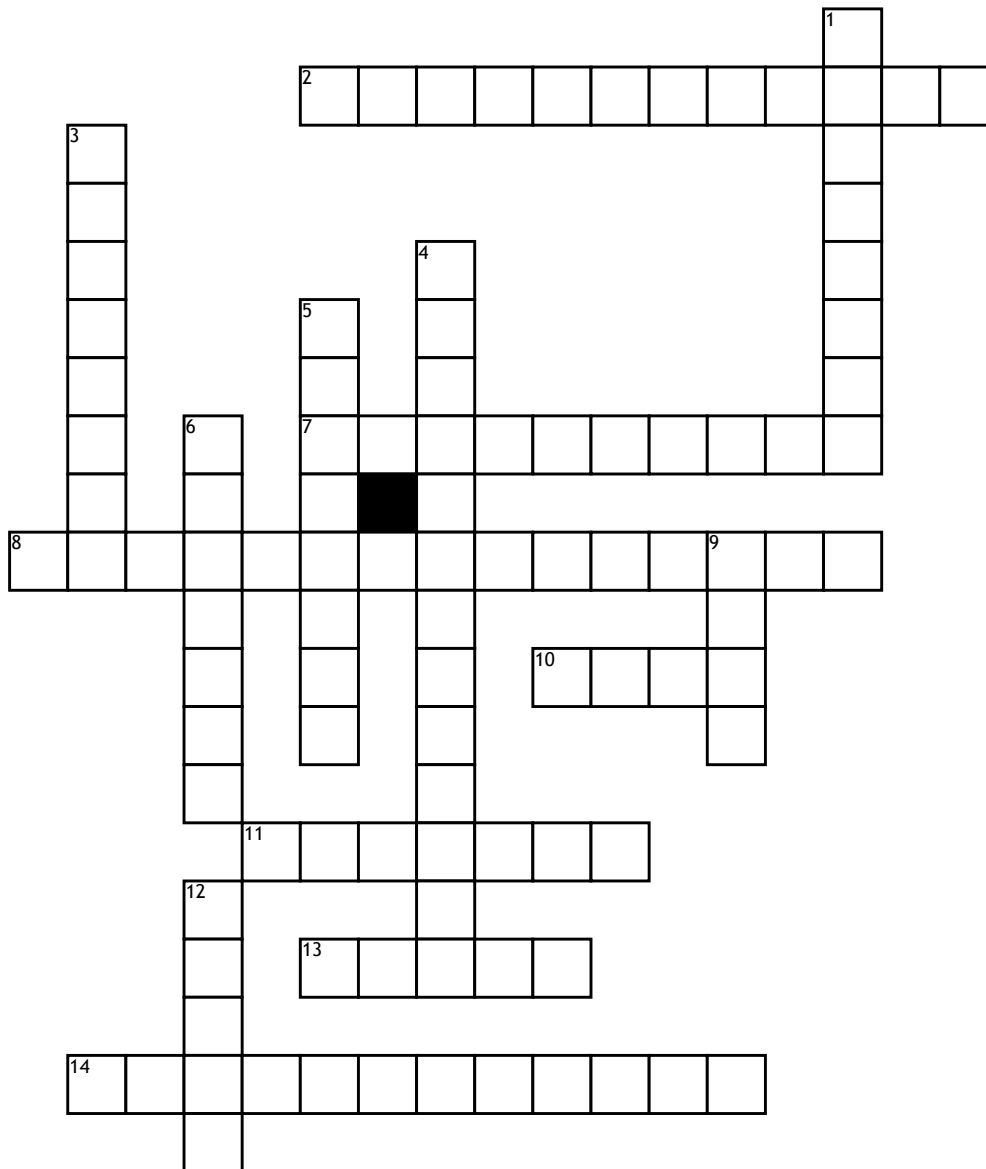


Name: _____

Date: _____

Force Vocabulary



Across

2. the process of extracting soluble substances from organic material and the like, whereby a quantity of saturated solvent is displaced, or removed, for another quantity of the solvent .

7. is a stochastic process whose joint probability distribution does not change when shifted in time or space.

8. occurs when two forces acting on an object are not equal in size, causing a change in motion.

10. of an object determines how that object responds to forces such as gravity and friction.

11. is the resistance, of any physical object, to any change in its velocity.

13. is defined as the total distance traveled divided by the total time it took to travel that particular distance

14. is defined as the rate of change (or derivative with respect to time) of velocity.

Down

1. is a vector quantity, which means it implies direction.

3. is the resistance to motion of one object moving relative to another. It is not a fundamental force, like gravity or electromagnetism.

4. are two forces acting in opposite directions on an object, and equal in size.

5. describes the length of a line between two points, or how far apart two objects are.

6. is a force which tries to pull two objects toward each other. Anything which has mass also has a gravitational pull.

9. is a state in physics that refers to an object being stationary relative to a particular frame of reference or another object

12. is the push or pull on an object with mass that causes it to change velocity (to accelerate).