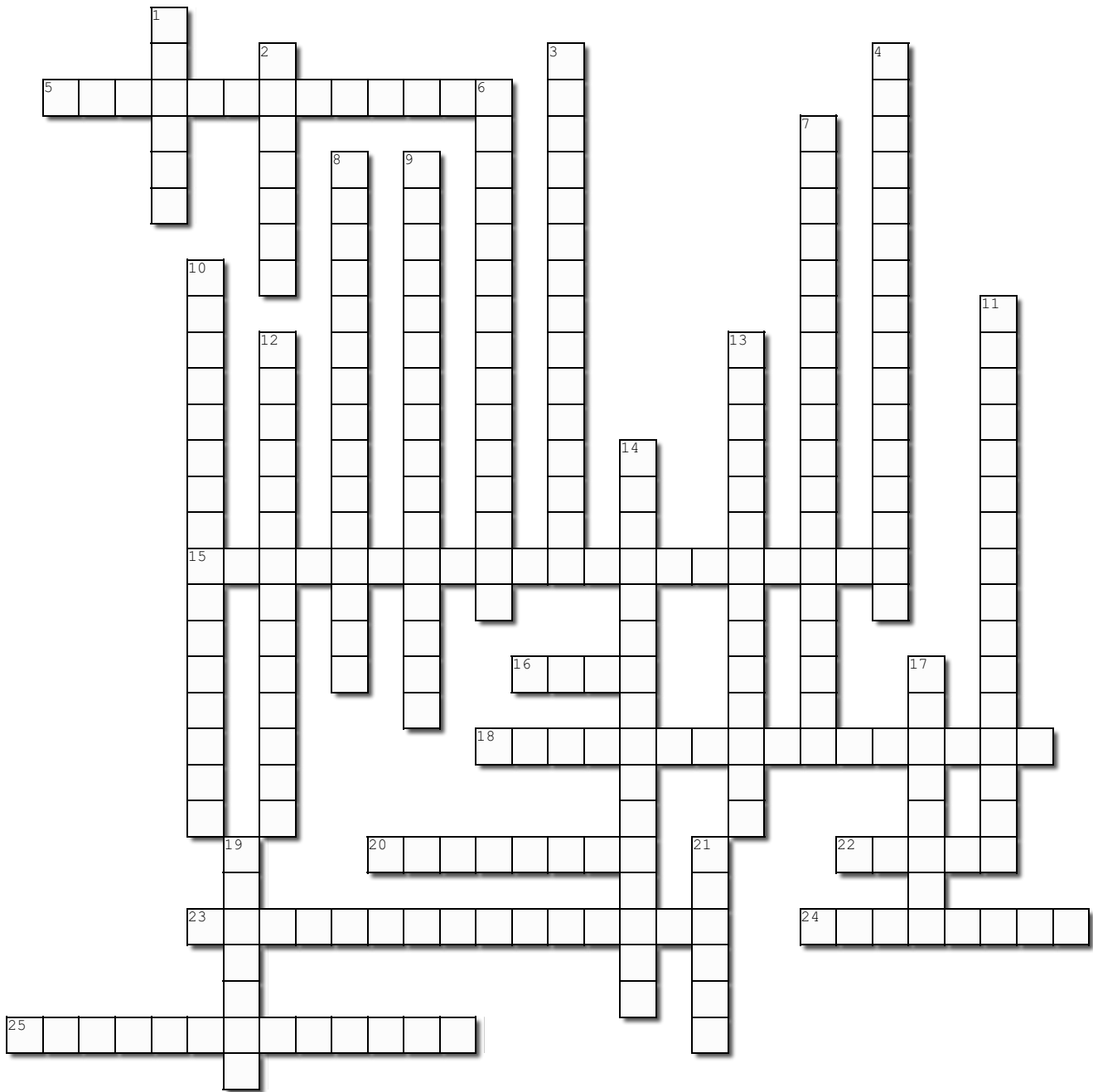


Name: _____

Physical Science Chapter 12 Vocabulary Crossword Puzzle

Fill in the vocabulary term for each definition.



Across

- 5.** the force that opposes the motion of an object through a fluid
- 15.** a force that is associated with charged particles
- 16.** a measure of the inertia of an object; it depends on the amount of matter the object contains
- 18.** the motion of a falling object after it is given an initial forward velocity
- 20.** a force that opposes the motion of objects that touch as they move past each other
- 22.** a push or a pull that acts on an object
- 23.** the state of motion of an object does not change as long as the net force acting on the object is zero
- 24.** the product of an object's mass and its velocity
- 25.** fluid friction action on an object moving through the air

Down

- 1.** the force of gravity acting on an object
- 2.** a force that acts between any two masses
- 3.** a force that opposes the direction of motion of an object as it slides over a surface
- 4.** causes an object to accelerate
- 6.** when one object exerts a force on a second object, the second object exerts an equal and opposite force on the first object
- 7.** a powerful force of attraction that acts only on the neutrons and protons in the nucleus, holding them together
- 8.** the friction force that acts on rolling objects
- 9.** the constant velocity of a falling object when the force of air resistance equals the force of gravity
- 10.** an attractive force that acts only over a short range in the nucleus
- 11.** a center-directed force that continuously changes the direction of an object
- 12.** the net force on an object is zero and there is no change in the object's motion
- 13.** the friction force that acts on objects that are not moving
- 14.** the acceleration of an object is equal to the net force acting on it divided by the object's mass
- 17.** the overall force acting on an object after all forces are combined
- 19.** the tendency of an object to resist a change in its motion
- 21.** the force that causes a 1 kg mass to accelerate at a rate of 1 m/s each second