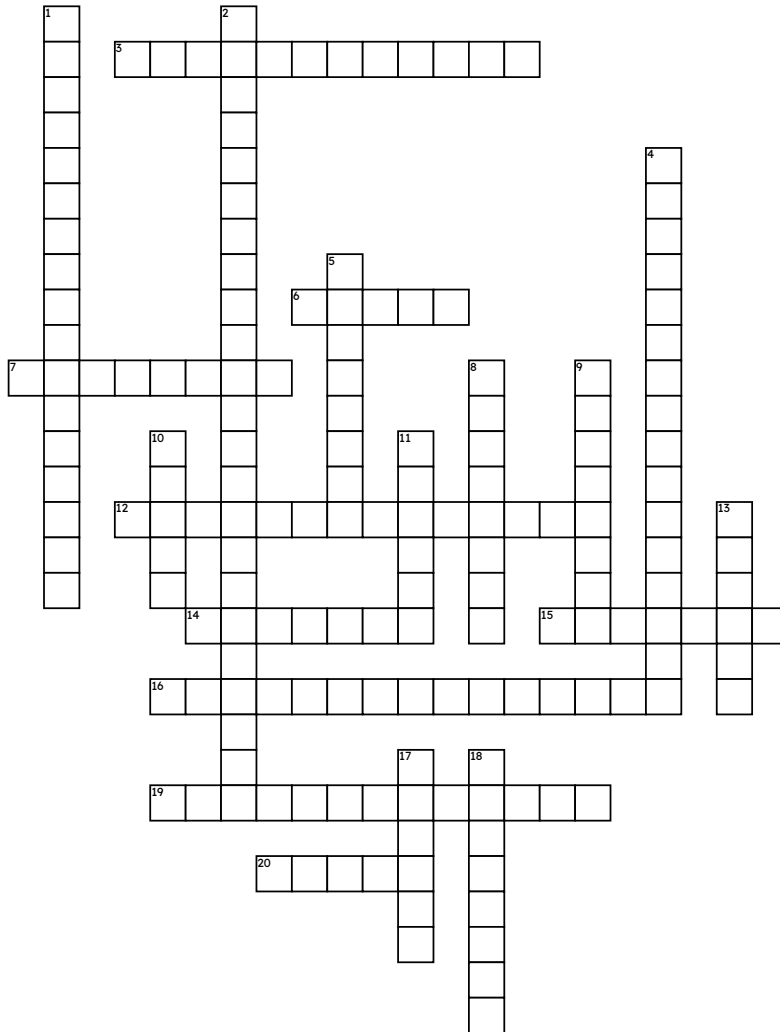


Name: _____

Science Crossword Puzzle



Across

- 3. the rate at which velocity changes over time
- 6. a push or pull
- 7. the motion of a body when only the force of gravity is acting on the body
- 12. a location to which another location is compared
- 14. a force of attraction between objects that is due to their mass
- 15. the resistance of an object to change in the speed or direction of its current motion
- 16. the energy that an object has because of its position, chemical composition, or condition of the object

- 19. the energy of an object that is due to that object's motion

- 20. the path that a body follows as it travels around another body in space

Down

- 1. the law that states that energy cannot be created nor destroyed
- 2. the acceleration directed toward the center of a circular path
- 4. the amount of work an object can do because of the object's kinetic and potential energies
- 5. the location of an object
- 8. the combination of all the forces acting on one single object
- 9. the location of an object

- 10. the distance traveled divided by the time interval during which the motion occurred

- 11. the ability to do work or cause change

- 13. a change in position over time

- 17. a quantity that has both size and direction

- 18. the speed of an object in a particular direction

Word Bank

force

net force

speed

reference point

orbit

energy

law of conservation

gravity

position

acceleration

motion

inertia

potential energy

mechanical energy

velocity

free fall

position

vector

centripetal acceleration

kinetic energy