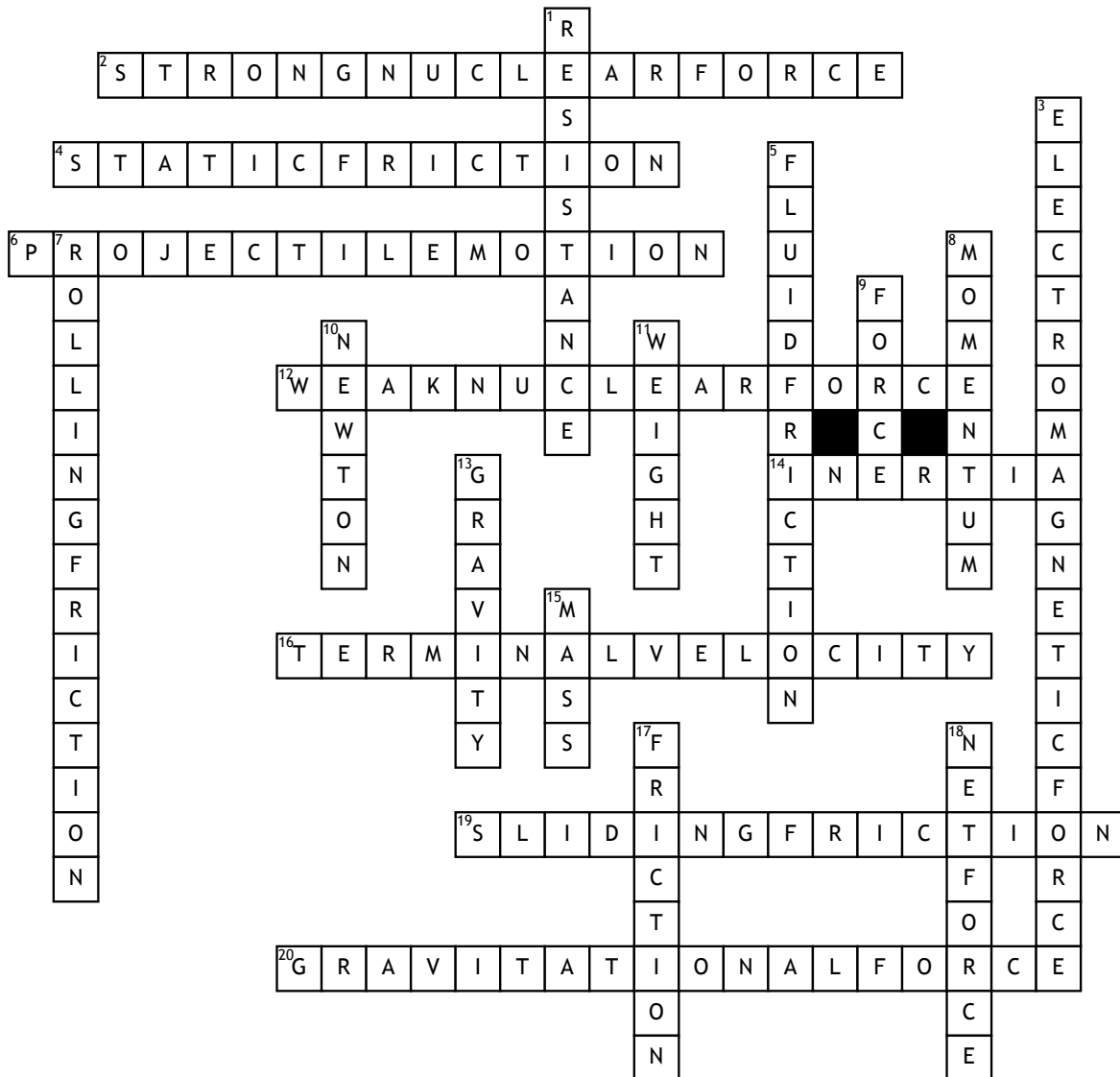


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chapter 12 Physical Science Terms



## Across

2. the powerful attractive force that binds protons and neutrons together in the nucleus  
 4. a friction force that acts on objects that are not moving  
 6. the curved path of an object in free fall after it is given an initial forward velocity  
 12. a powerful attractive force that acts over a short range  
 14. the tendency of an object to resist a change in its motion  
 16. the constant velocity of a falling object when the force of air resistance equals the force of gravity  
 19. a friction force that opposes the motion of an object as it slides over a surface

20. an attractive force that acts between any two objects

## Down

1. fluid friction acting on an object moving through air  
 3. a force associated with charged particles, which has two aspects, electric force and magnetic force  
 5. a friction force that opposes the motion of an object through a fluid  
 7. a friction force that acts on rolling objects, caused by the change in shape at the point of rolling contact  
 8. the product of an object's mass and its velocity  
 9. A push or pull that acts on an object

10. the SI unit for force, equal to the force that causes a 1-kilogram mass to accelerate at a rate of 1 meter per second squared  
 11. the force of gravity acting on an object  
 13. the attraction between any two objects because of their masses  
 15. the amount of matter in an object  
 17. a force that opposes the motion of objects that touch as they move past each other  
 18. the overall force acting on an object after all the forces are combined