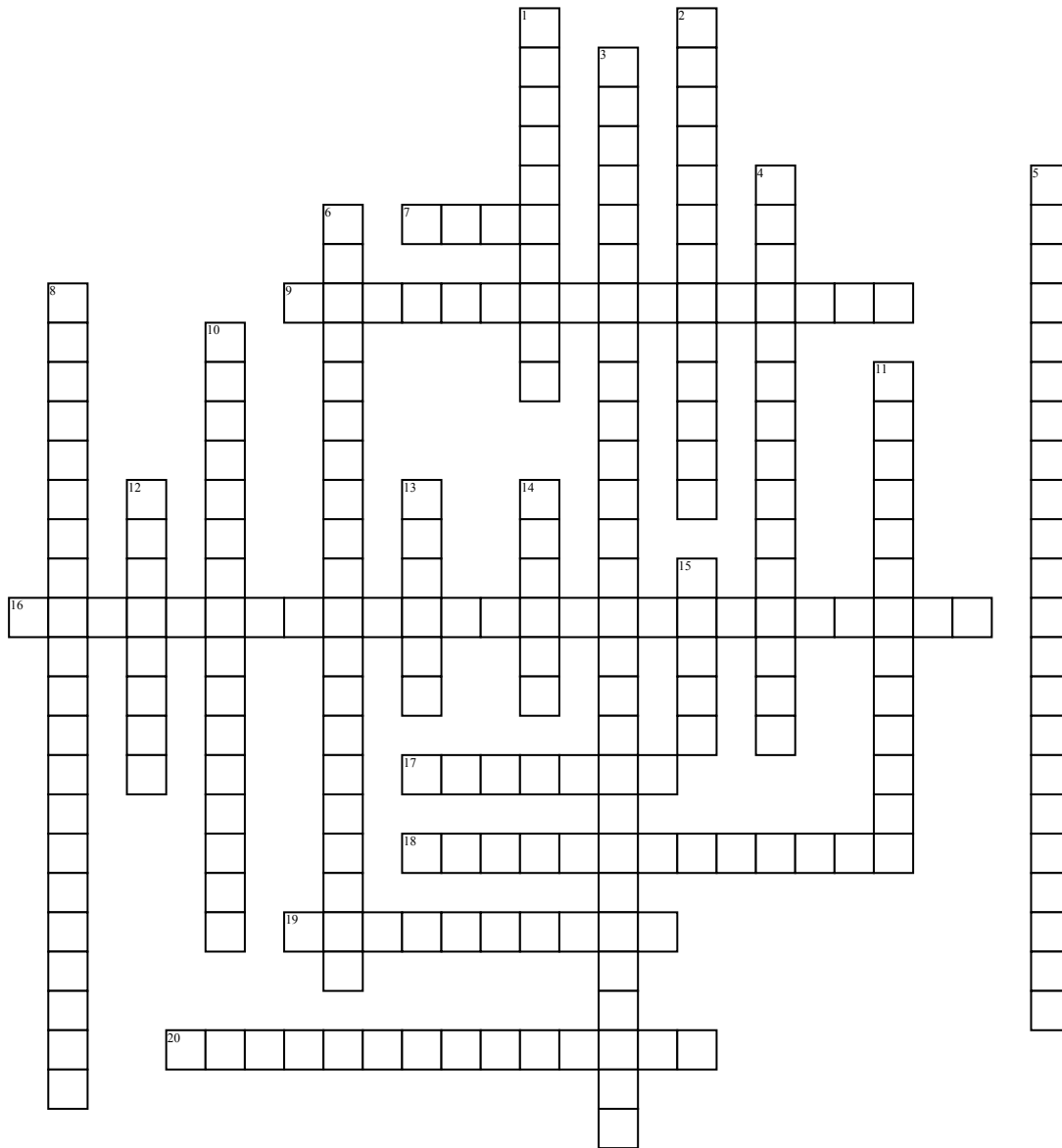


# Ch. 13 Key Terms



## Across

7. The quantity of matter in a body.  
 9. The form of energy associated with the position and motion of an object  
 16. Law that says when one form of energy is transformed to another, no energy is destroyed in the process  
 17. The force that attracts a body towards the center of the earth.  
 18. The total potential and kinetic energy of the particles in an object  
 19. A material that forms over millions of years from the remains of ancient plants and animals

20. potential energy stored in the chemical bonds that hold chemical compounds together

## Down

1. The process of burning fuels  
 2. The energy an object has due to its motion  
 3. Potential energy related to an object's height  
 4. Stored energy that results from the position or shape of an object  
 5. The potential energy associated with objects that can be stretched or compressed  
 6. A change from one form of energy to another

8. A form of energy that travels through space as waves  
 10. The energy of electric charges  
 11. A type of potential energy that is stored in the nucleus of an atom  
 12. The speed of something in a given direction.  
 13. The ability to do work or cause change  
 14. Anything that has mass and takes up space  
 15. The ability to act or have influence over others.