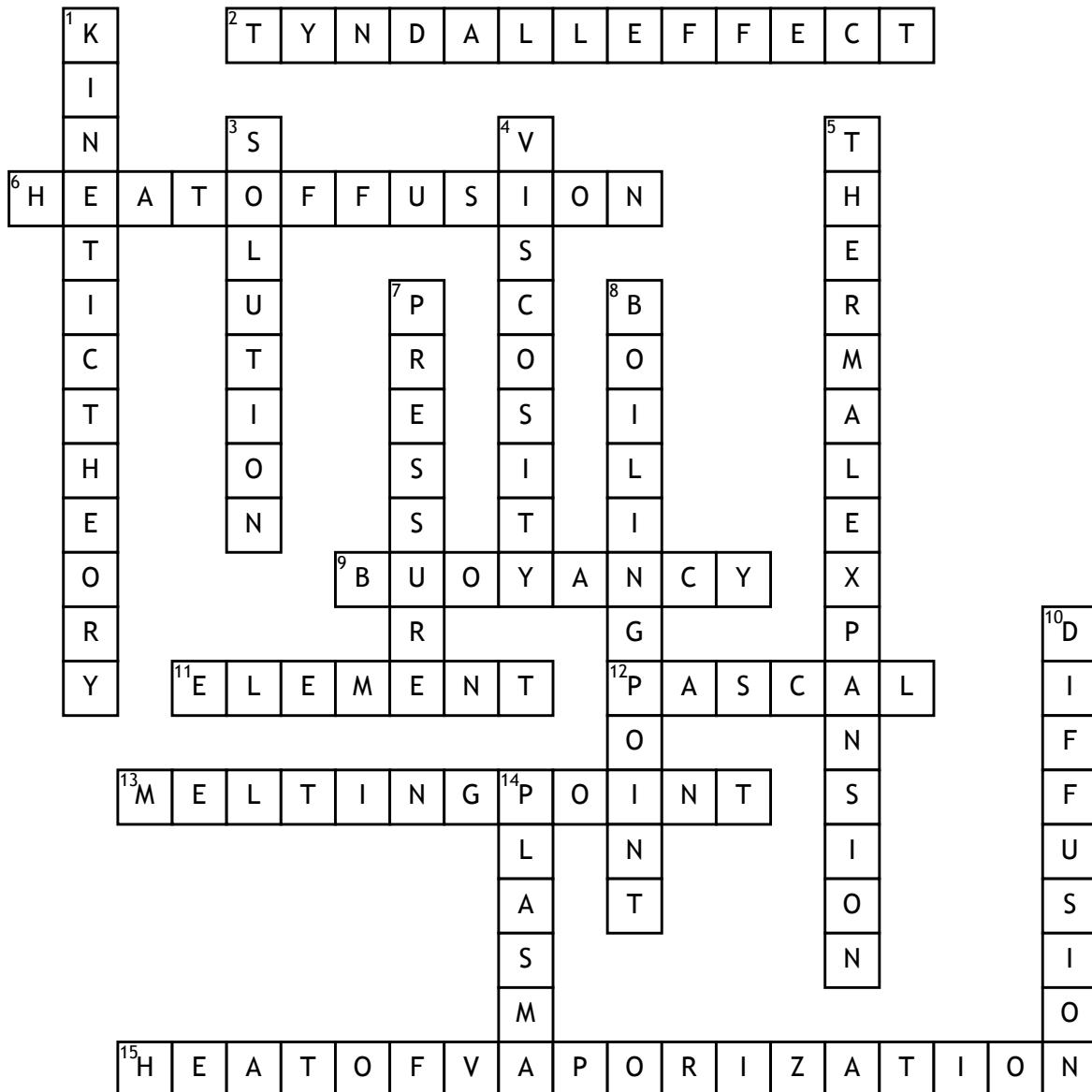


# The Nature of Matter and Classification of Matter



## Across

2. scattering of a light beam as it passes through a colloid
6. amount of energy required to change a substance from the solid phase to a liquid
9. ability of a fluid to exert an upward force on an object immersed in the fluid
11. substance with atoms that are all alike
12. SI unit pressure
13. temperature at which a solid begins to liquefy

15. amount of energy required for liquid particles to escape the attractive forces within the liquid

## Down

1. Explanation of behavior of molecules in matter.
3. mixture that appears to have the same composition, color, density, and taste
4. a fluid's resistance to flow

5. increase in the size of a substance that results from the separation of its molecules when the temperature is increased.

7. amount of force exerted per unit area

8. temperature at which the pressure of the atmosphere is equal to the pressure of a liquid's vapor.

10. spreading of particles throughout a given volume until they are uniformly distributed

14. high-temperature gas