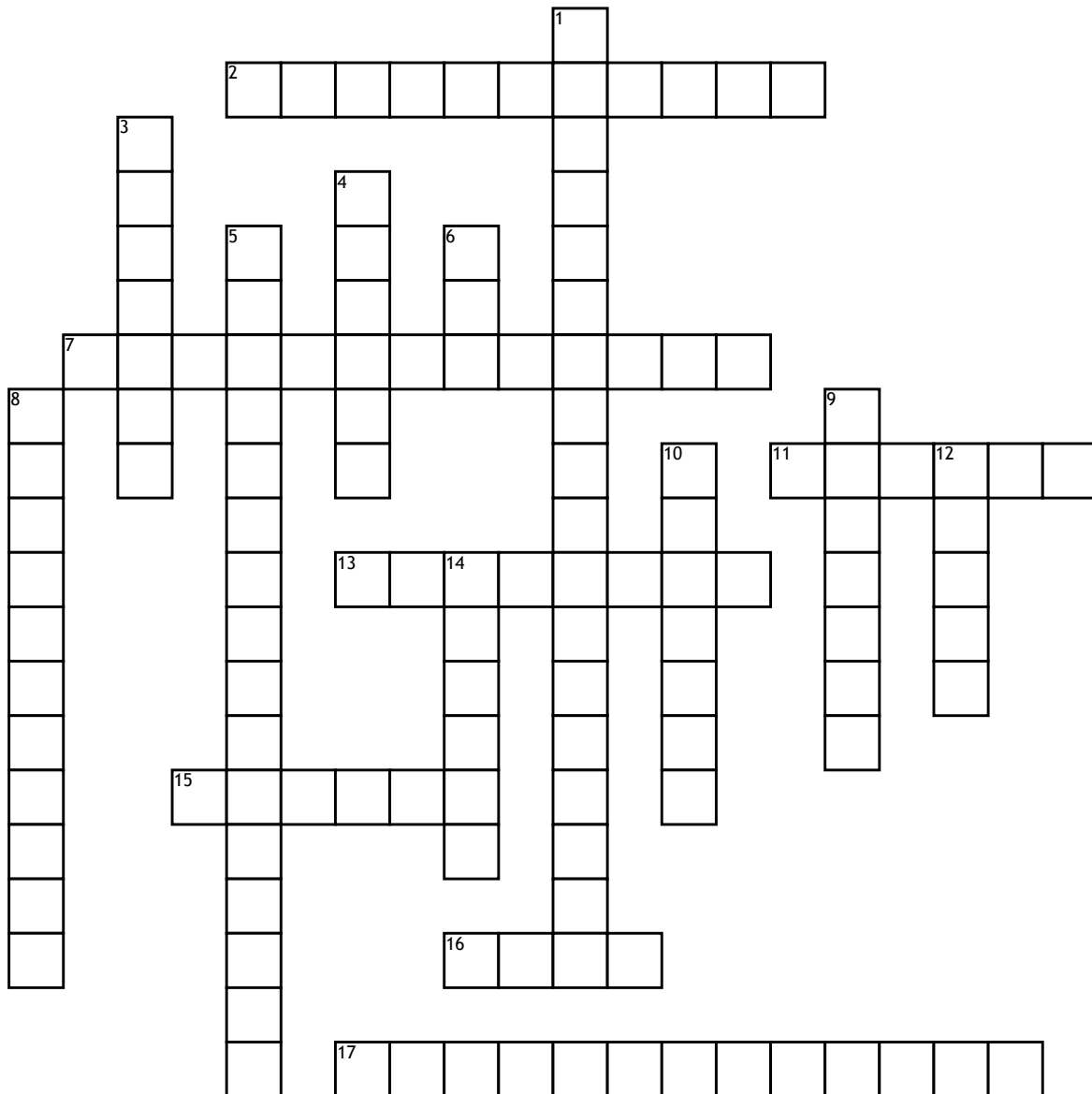


# Structures of Matter



## Across

2. Change from one form of matter to another  
 7. A single kind of matter that has a specific makeup or composition with a specific set of properties  
 11. Highest energy  
 13. Two or more elements chemically combined in a set ratio  
 15. A measure of how much space an object occupies  
 16. How much matter an object has  
 17. Mixture where you can see the different parts

## Down

1. Properties that can be observed without changing the substance into something different  
 3. Two or more substances together in the same place but not chemically combined  
 4. Has definite volume, no definite shape, particles are closely packed but move freely around each other, and more energy than solids  
 5. Property that describes its ability to change onto a new substance

6. Has no definite shape or volume, fluid, more energy than solids and liquids  
 8. Mixture where you can not see the different parts  
 9. A pure substance that can not be broken down into any substances  
 10. The amount of mass per unit of volume  
 12. Has definite shape and volume, particles are in fixed position, particles vibrate in place, and least energy  
 14. Has mass and volume