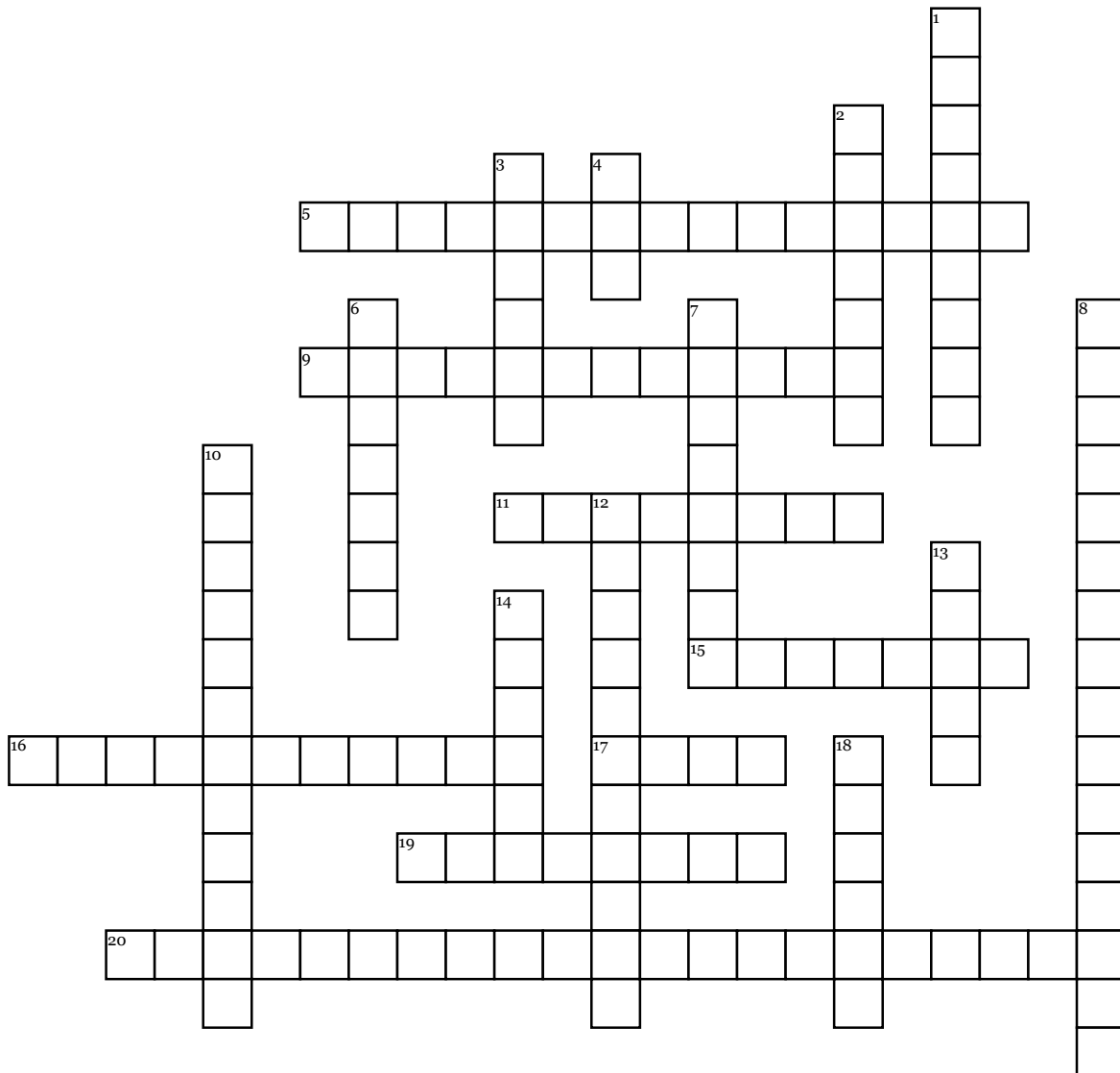


# Properties and changes of Matter



## Across

5. Changes affecting the form of a chemical substance, but do not change the chemical composition of that substance
9. The temperature at which a liquid boils and turns to vapor.
11. Become or cause to become incorporated into a liquid so as to form a solution
15. Able to be drawn out into a thin wire
16. Of the same kind, alike
17. Amount of matter in an object
19. A substance that takes part in and undergoes change during a reaction
20. Particles that make up all matter are constantly moving

## Down

1. Able to be hammered or pressed permanently out of shape without breaking or cracking.
2. Mass per unit volume
3. Definite volume, not shape
4. Freely to fill any space available, irrespective of its quantity:
6. A mixture in which one substance of microscopically dispersed insoluble particles is suspended throughout another substance
7. An entity consisting of two or more atoms, at least two from different elements, which associate via chemical bonds

8. A property or characteristic of a substance that is observed during a reaction in which the chemical composition or identity of the substance is changed
10. The temperature at which a given solid will melt
12. The transition of a substance directly from the solid to the gas phase without passing through the intermediate liquid phase
13. Particles are tightly packed together
14. Can be created by heating a gas or subjecting it to a strong electromagnetic field applied with a laser or microwave generator
18. Amount of space an object takes up