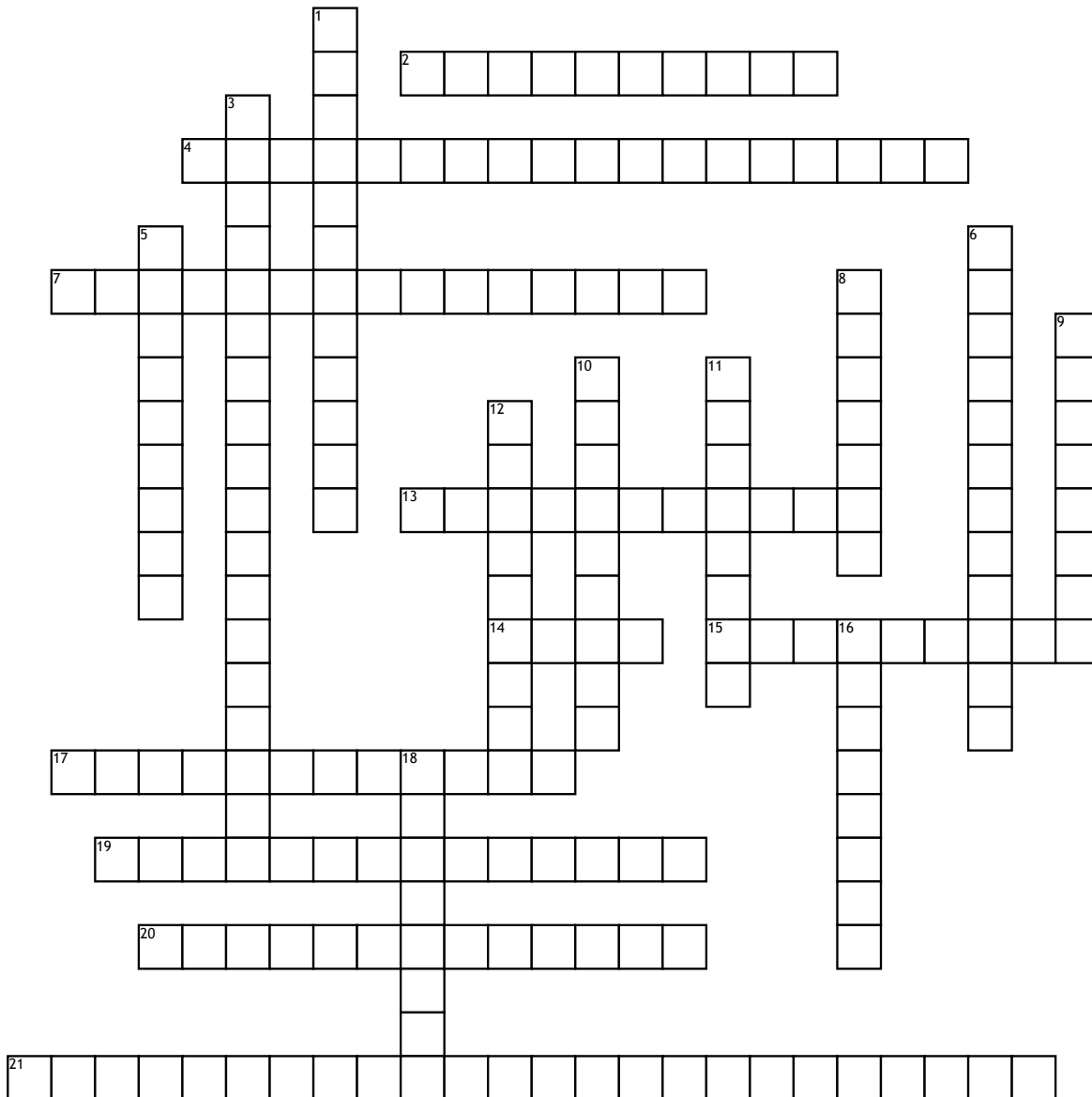


# chemistry vocabulary



## Across

2. This number is the sum of the number of protons and neutrons.

4. Characteristic of a substance that indicates whether it can undergo a chemical change.

7. A formula that shows what elements are in a compound and what it will become.

13. The process of a solid going directly into a vapor.

14. Element composed of one type, the {blank}.

15. Particles in a atom with a negative charge.

17. Number of protons in an atom is equal to a number called {blank}.

19. A change in size, shape, or state.

20. Explanation of how particles in matter behave.

21. The mass of all substances that are present before a chemical change equals the mass of all the substances after the change.

## Down

1. Force that holds atoms together in a compound.

3. Characteristic of a material you can observe without changing the identity.

5. Substances that react.

6. Attraction formed when elements share electrons.

8. If all the atoms in a substance has the same identity it becomes

9. Particles in a atom with no charge.

10. Force of attraction between opposite charges.

11. Atoms of the same element that have different numbers of neutrons.

12. A type of matter with a fixed composition.

16. A substance in which the atoms of 2 or more elements are combined.

18. A neutral molecule that forms as a result of electron sharing.