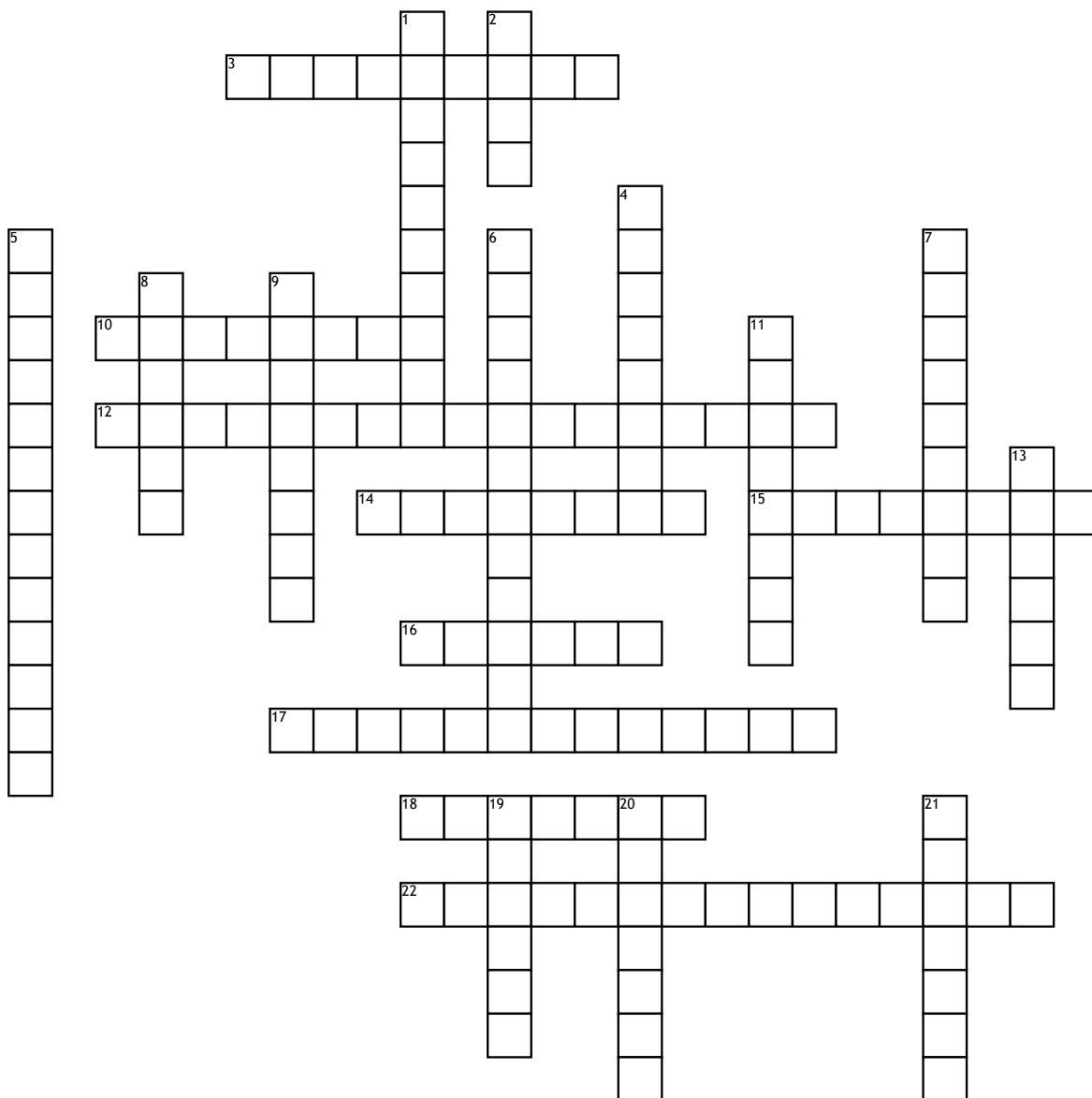


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Basic Chemistry



## Across

3. The study of matter  
 10. Substances that affect the rate of a reaction but are not changed themselves. Also may start or stop a reaction from occurring.  
 12. Shows how atoms in a molecule are located and connected  
 14. Substances that enable enzymes to work properly.  
 15. Pure substances consisting of two or more atoms in each molecule  
 16. Positive particle of an atom. The number of these determines what kind of element it is  
 17. Chart of elements organized according to their atomic structure

18. Pure substances consisting of only one kind of atom in each molecule.

22. Show the number and type of atoms in a molecule

## Down

1. Small amount of liquid chemicals would be measured using this metric unit.  
 2. The smallest unit of an element  
 4. The metric unit used to weigh of a bar of gold  
 5. Solid, liquid, gas  
 6. Shared electrons hold atoms together.

7. Donated electrons form charged particles called ions to stick together

8. Occupies space and has mass

9. Negatively charged particle outside the nucleus

11. A distinct group of atoms bonded together

13. A protein molecule or organic molecule used as a catalyst

19. The ability to do work

20. The part of the atom containing the protons and neutrons

21. Neutrally charged particle found in the nucleus and has mass