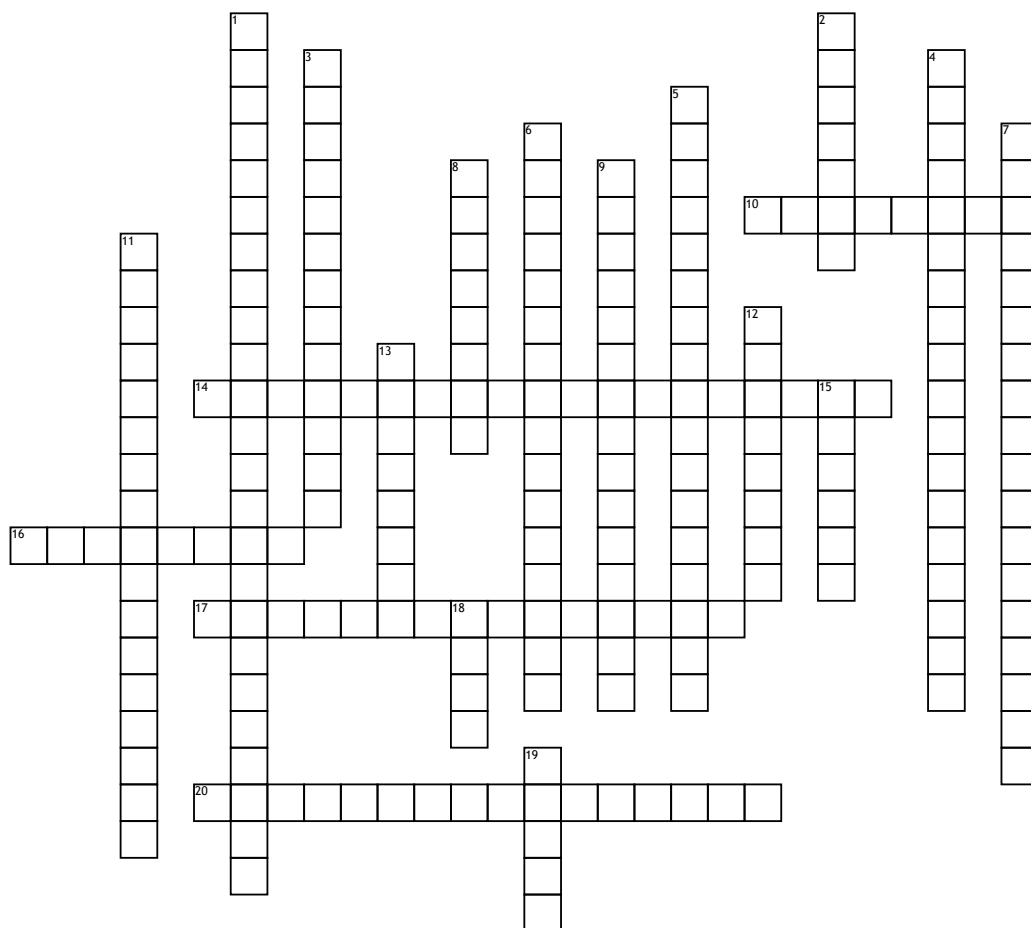


Name: \_\_\_\_\_

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

# zeon cross word puzzle



## Across

10. oxygen is metal or non metal

14. found by adding all of the individual Rams together in on formula unit of an ionic compound

16. is simply an element that does not display the properties of a metal.

17. chemical reactions form byproducts, meaning not all the reactants in the equation actually react.

20. are those that get completely utilized in a reaction first and thus limit the amount of product that will be produced.

## Down

1. an equation for a chemical reaction in which the number of atoms for each element in the reaction and the total charge is the same for both the reactants and the products.

2. a substance that cannot be broken down into any other substance. Every element is made up of its own type of atom.

3. is a tabular arrangement of chemical elements that is arranged by increasing atomic number and groups elements according to recurring properties.

4. A dimensionless physical quantity defined as the ratio of the average mass of atoms of a chemical element in a given sample to the atomic mass constant.

5. what is the simplest whole number ratio of the atoms of each element in that compound.

6. is the number of particles found in one mole of a substance.

7. what is (ram) stand for

8. what are formula units with water associated with

9. A unit of measurement for atoms and molecules, just like the mass of a person may be expressed in pounds or kilograms.

11. indicate the simple numbers of each type of atom in a molecule of a molecular substance.

12. A compound is a chemical species that is formed when two or more atoms join together chemically, with covalent or ionic bonds.

13. how many groups are they in the periodic table

15. is an abbreviation for a chemical element.

18. is the smallest component of an element, characterized by a sharing of the chemical properties of the element and a nucleus with neutrons, protons and electrons.

19. A substance with high electrical conductivity, luster, and malleability, which readily loses electrons to form positive ions

## Word Bank

Hydrates

Relative atomic mass

limiting reactant

periodic table

Relative atomic mass

compound

relative Formula mass

formulae molecules

eighteen

metal

empirical formulae

percentage yield

avogadro's numbers

element

non metal

atomic mass units

balanced chemical equation

Symbol

atom

non metal