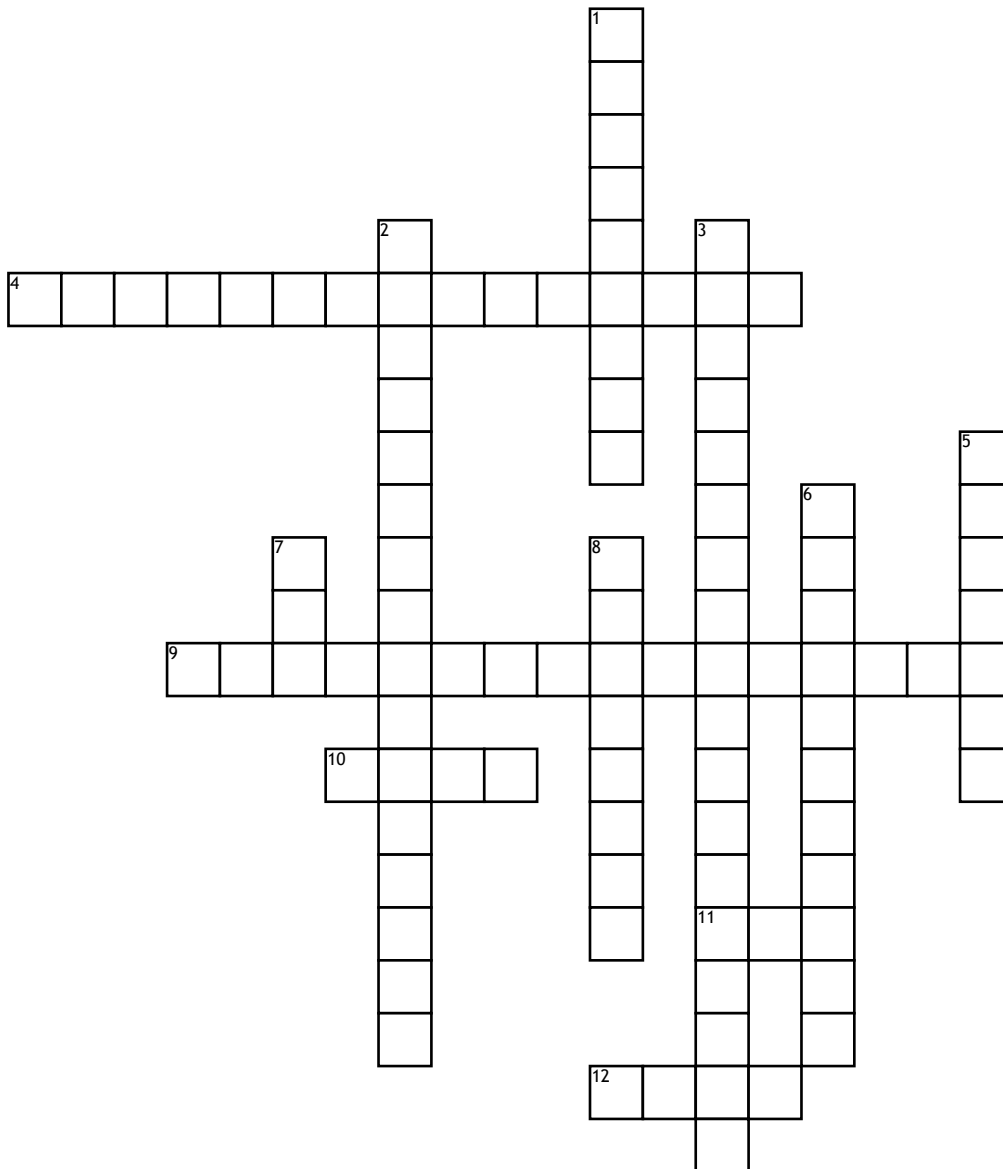


Name: _____

Date: _____

Mole Vocabulary



Across

4. the number of representative particles contained in one mole of a substance; equal to 6.02×10^{23} particles
9. a formula with the lowest whole-number ratio of elements in a compound
10. the amount of a substance that contains 6.02×10^{23} representative particles

11. an atom or group of atoms that has a positive or negative charge

12. the smallest particle of an element that retains the properties of that element

Down

1. general expression used to refer to the mass of a mole of any substance

2. a chemical formula that shows the actual number and kinds of atoms present in a molecule of a compound

3. the percent by mass of each element in a compound

5. a substance that contains water

6. the lowest whole-number ratio of ions in an ionic compound

7. conditions under which the volume of a gas is usually measured

8. a neutral chemically bonded group of atoms that act as a unit