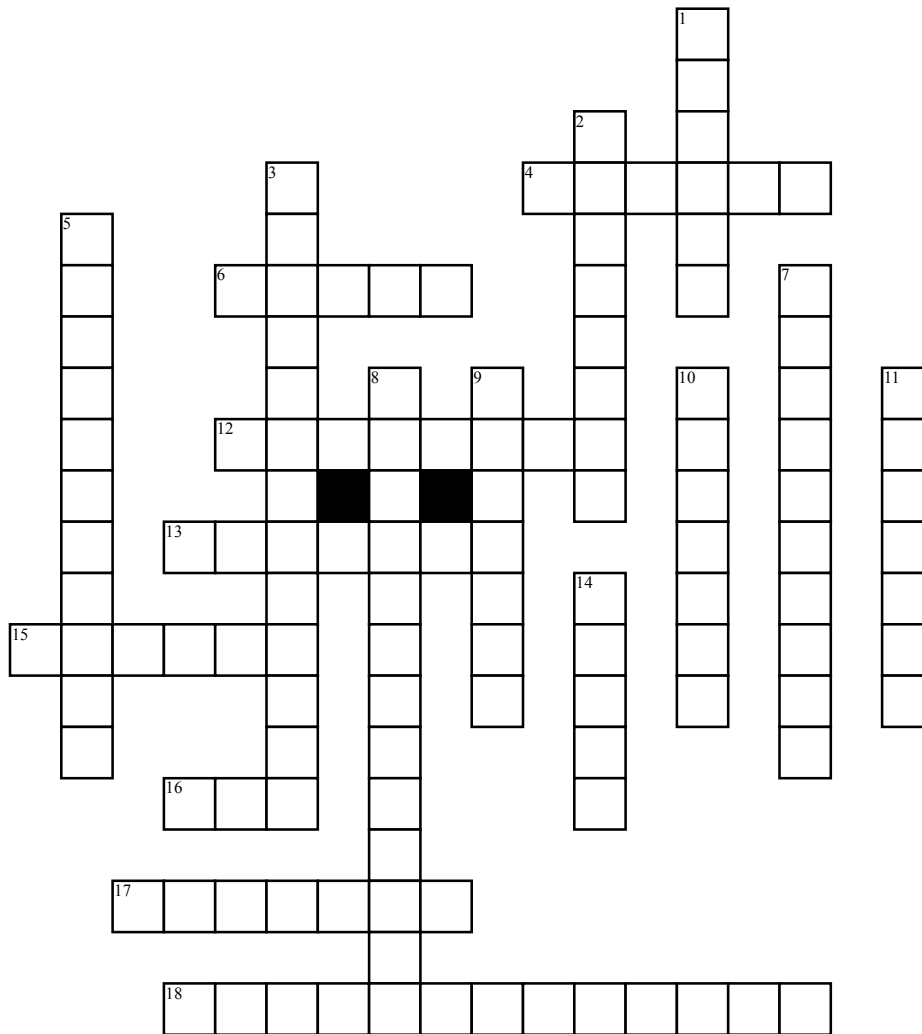


vocabulary & simulation



Across

4. the amount of space that a substance or object occupies, or that is enclosed within a container, especially when great

6. the smallest unit of an element that maintains the properties of that element

12. a mixture in which two or more substances are completely blended and evenly distributed that you cannot identify the different part

13. made up of one or more of the same kind of atoms chemically combined

15. the substance that dissolves in the solvent

16. a substance or matter in a state in which it will expand freely to fill the whole of a container, having no fixed shape and no fixed volume

17. the substance in which the solute dissolves

18. the measure of the amount of solute dissolved in a solvent

Down

1. a substance that flows freely but is of constant volume, having a consistency like that of water or oil

2. made up of different kinds of atoms chemically combined

3. describes something that does not have a uniform structure or composition throughout

5. describes something that has a uniform structure or composition throughout

7. the ability of one substance to dissolve in another at a given temperature and pressure

8. substance that has a definite physical and chemical properties such as appearance, melting point, and reactivity

9. contains a variety of elements and compounds that are not chemically combined with each other

10. a homogeneous noncrystalline substance consisting of large molecules or ultramicroscopic particles of one substance dispersed through a second substance

11. the ratio of the mass of a substance to the volume of substance

14. firm and stable in shape

Word Bank

colloid

solution

atoms

gas

heterogeneous mixture

liquid

pure substance

volume

density

solvent

solid

solubility

compound

element

concentration

homogeneous

solute