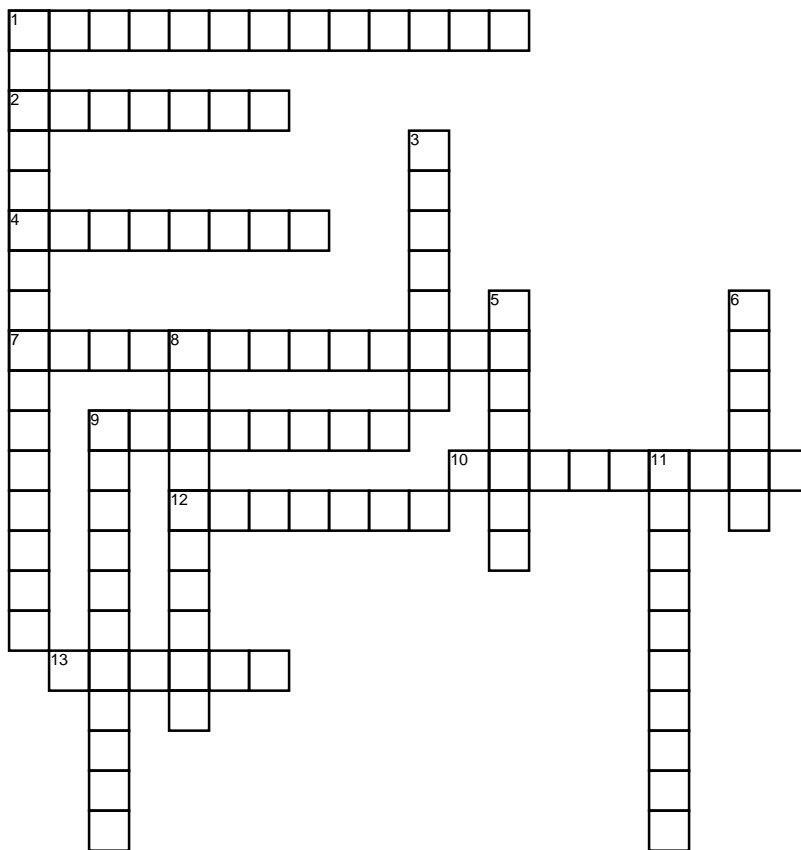


Chapter 4: Elements, Comp, Mix, Physical Science

Name _____ Date _____

Instructions: Complete the puzzle. Use the clues to help you fill the boxes with the correct words.



ACROSS

1. the amount of a particular substance in a given quantity of a mixture, solution, or ore
2. a substance that cannot be separated or broken down into simpler substances by chemical means
4. a substance made up of atoms of two or more different elements joined by chemical bonds
7. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties
9. a homogeneous mixture of two or more substances uniformly dispersed throughout a single phase
10. the resistance of a gas or liquid to flow
12. the conversion of a liquid to a vapor when the vapor pressure of the liquid equals the atmospheric pressure
13. anything that has mass and takes up space

DOWN

1. a property of matter that describes the ability of a substance to participate in chemical reactions
3. in a solution, the substance in which the solute dissolves
5. the ratio of the mass of a substance to the volume of the substance

6. in a solution, the substance that dissolves in the solvent
8. the ability of one substance to dissolve in another at a given temperature and pressure
9. the process in which a solid changes directly into a gas
11. a mixture in which particles of a material are more or less evenly dispersed throughout a liquid or gas