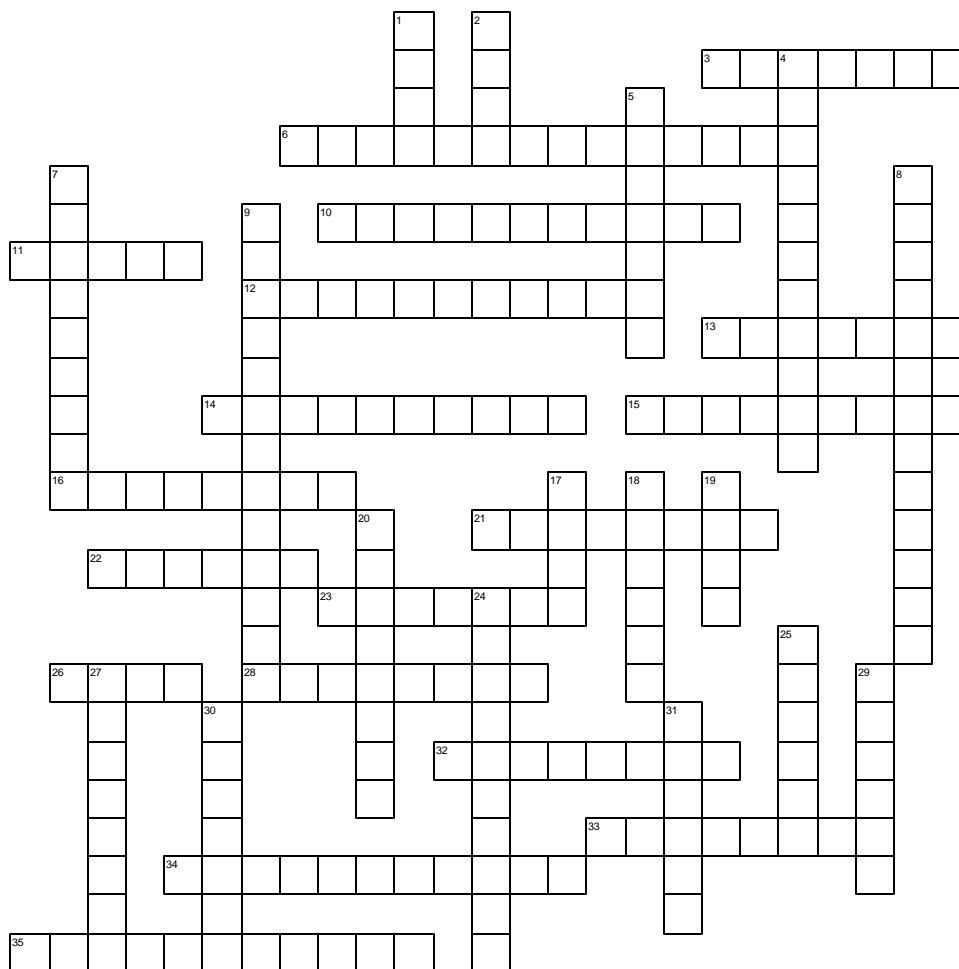


Section III Definitions - Chemistry



ACROSS

- 3 A substance whose atoms all contain the same atomic number
- 6 A substance that dissolves in water and produces a non-conducting solution
- 10 Same throughout
- 11 A chemical bond formed by the transferring of electrons between atoms
- 12 A measure of the average kinetic energy of the molecules of a substance
- 13 A molecule of very high molecular weight that is made up of repeating units of low molecular weight
- 14 A measure of a substances dissolvability
- 15 The original compounds or substances in a chemical reaction
- 16 A chemical bond formed by the sharing of electrons between atoms
- 21 A change in the type of matter, resulting in a new chemical identity
- 22 Compounds that have the same molecular formula but a different arrangement of the atoms
- 23 The substance used to dissolve other compounds or molecules
- 26 A compound that produces hydronium ions (protons) when dissolved in water
- 28 A mixture that has the same properties and makeup throughout
- 32 A change in the form of matter, not in the chemical identity
- 33 A substance that increases the rate of a reaction without being consumed
- 34 A reaction that takes in energy during a chemical reaction
- 35 A compound that contains only hydrogen and carbon

DOWN

- 1 A compound that produces hydroxide ions when dissolved in water
- 2 A substance that contains Avogadro's Number of atoms or molecules
- 4 A substance that dissolves in water and produces an electrically conducting solution
- 5 A simple compound of low molecular weight used to create polymers
- 7 The branch of chemistry that studies molecules or compounds that do not contain carbon
- 8 A measure of the amount of one material relative to the whole
- 9 Made up of distinguishable parts
- 17 The energy that is transferred from 1 location to another as a result of a temperature difference
- 18 To decrease the concentration by increasing the amount of solvent
- 19 An ionic compound produced in a neutralizing reaction
- 20 The compounds or substances that are the result of a chemical reaction
- 24 A reaction that gives off energy during a chemical reaction
- 25 A compound that contains only 2 elements
- 27 A substance made up of 2 or more elements chemically combined
- 29 The substance that is dissolved
- 30 The branch of chemistry that studies all molecules or compounds containing carbon
- 31 Anything that occupies space and has mass