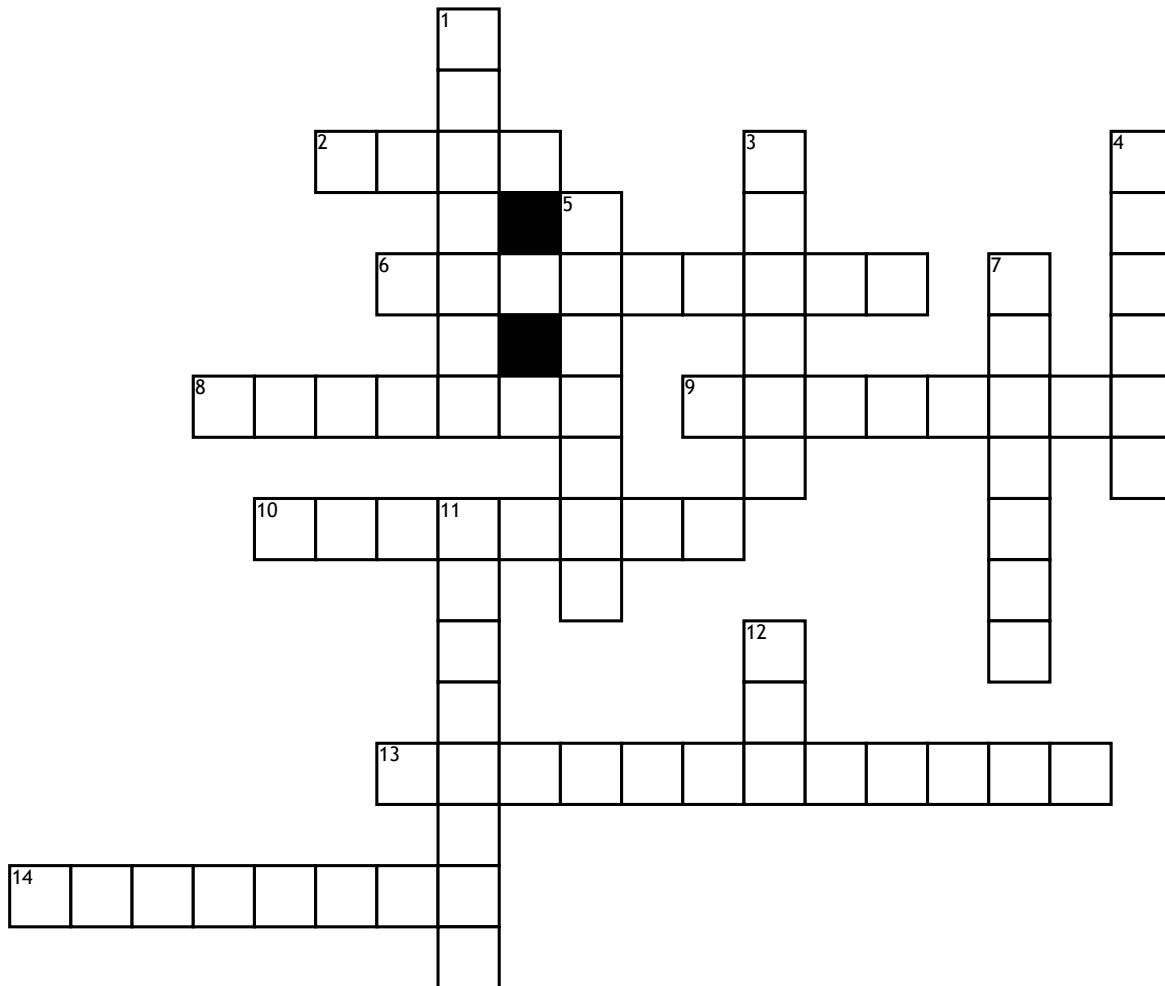


Chap 4



Across

2. The smallest unit of an element that maintains the chemical properties of that element
 6. The attractive force between oppositely charged ions which form when electrons are transferred from one atom or molecule to another
 8. A substance that cannot be separated or broken down into simpler substances by chemical means
 9. A group of atoms that are held together by chemical forces
 10. A subatomic particle that has a negative charge

13. A bond formed when atoms share one or more pairs of electrons
 14. A homogeneous mixture of two or more substances that are uniformly dispersed throughout the mixture

Down

1. An atom that has the same number of protons as the other atoms of the same element do but that different number of neutrons
 3. A subatomic particle that has a positive charge and that is located in the nucleus of an atom
 4. Anything that has mass and takes up space

5. A combination of two or more substances that are not chemically combined

7. A subatomic particle that has no charge and that is located in the nucleus of an atom

11. A substance made up of atoms of two or more different elements joined by chemical bonds

12. An atom or molecule that has gained or lost one or more electrons and has a negative or positive charge