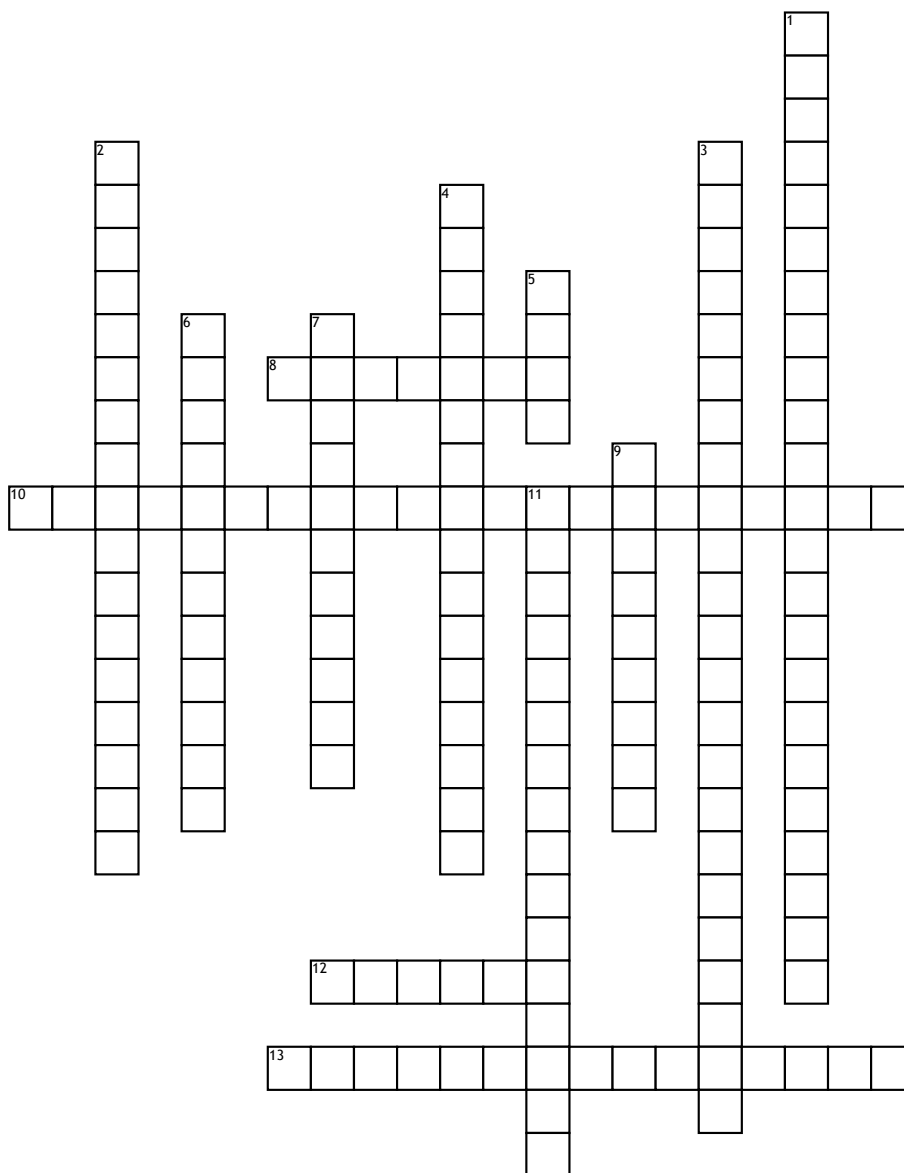


Chemistry Vocabulary Unit 2



Across

8. A region in an atom where there is a high probability of finding electrons

10. The arrangement of electrons in an atom

12. A unit or quantum of light; particle of electromagnetic radiation

13. 6.022×10^{23} the number of atoms or molecules in one mole

Down

1. The principle that states that two particles of a certain class cannot be in exactly the same energy state

2. The ability of an atom in a chemical compound to attract electrons

3. All of the frequencies or wavelengths of electromagnetic radiation

4. The energy change when an electron is acquired by a neutral atom

5. The SI base unit to measure the amount of substance

6. A state in which an atom has more energy than it does at its ground state

7. The lowest energy state of a quantized system

9. Singly occupied with one electron before any one orbital is doubly occupied, and all electrons in singly occupied orbitals have the same spin; the number of unpaired electrons is the maximum possible and these unpaired electrons bonds between atoms

11. The energy required to remove an electron from an atom or ion