

1. Small insects have the ability to walk on water (because of the water property known as _____ cohesion _____).
2. An unstable nucleus is an indicator of an _____ isotope _____. To correct this imbalance, we expect the nucleus to break up in a process described as _____ radioactive decay _____.
3. The (Pauli) rule is satisfied if _____ there are 2 electrons in the outermost energy level _____, therefore, atoms are not looking to accept nor donate any _____ electrons _____.
4. The _____ unsaturated _____ bond is ideal for forming molecules (because it is strong and _____ directional _____).
5. Excited atoms have _____ unfilled energy levels _____.
6. In a bond, when one nucleus has a higher affinity (attraction) for electrons than the other, we refer to it as a _____ Polar _____ _____ Covalent _____ bond.
7. At low temperatures the hydrogen bonds of water molecules are _____ less _____ likely to break, resulting in the formation of _____ ice _____. However, at high temperatures the hydrogen bonds of water molecules are _____ more _____ likely to break, resulting in the formation of _____ gas _____.