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Crash Course Biology #21: The Unexpected Truth About Water

Name: _____ Date: _____

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1. The two elements that make up water are _____ and _____.
2. Water molecules are held together by strong _____ bonds.
3. Due to the unequal sharing of electrons, water is a _____ molecule.
4. The property of water that allows it to dissolve many substances is called _____.
5. The ability of water molecules to stick to other water molecules is known as _____.
6. The ability of water molecules to stick to other surfaces is called _____.
7. _____ tension allows insects like water striders to walk on water.
8. When water changes from a liquid to a gas, the process is called _____.
9. Ice floats on water because it is _____ dense than liquid water.
10. The _____ scale is used to measure how acidic or basic a solution is.
11. A solution with a pH of 7 is considered _____.
12. Substances that resist changes in pH are called _____.
13. Water's ability to regulate temperature and resist drastic changes is known as _____ heat capacity.
14. The splitting of water molecules into hydrogen and hydroxide ions is known as _____.
15. Acids increase the concentration of _____ ions in a solution.

Crash Course Biology #21: The Unexpected Truth About Water - KEY

1. The two elements that make up water are *hydrogen* and *oxygen*.
2. Water molecules are held together by strong *covalent* bonds.
3. Due to the unequal sharing of electrons, water is a *polar* molecule.
4. The property of water that allows it to dissolve many substances is called *solvent*.
5. The ability of water molecules to stick to other water molecules is known as *cohesion*.
6. The ability of water molecules to stick to other surfaces is called *adhesion*.
7. *Surface* tension allows insects like water striders to walk on water.
8. When water changes from a liquid to a gas, the process is called *evaporation*.
9. Ice floats on water because it is *less* dense than liquid water.
10. The *pH* scale is used to measure how *acidic* or *basic* a solution is.
11. A solution with a pH of 7 is considered *neutral*.
12. Substances that resist changes in pH are called *buffers*.
13. Water's ability to regulate temperature and resist drastic changes is known as *high* heat capacity.
14. The splitting of water molecules into hydrogen and hydroxide ions is known as *dissociation*.
15. Acids increase the concentration of *hydrogen* ions in a solution.

15 Questions

Answer Key Included

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