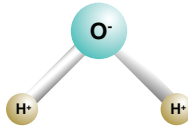


Review Answers

1. How many atoms are in a water molecule?

3

2. Draw a picture of a water molecule.



3. Describe the structure of a water molecule.

A water molecule is made of 2 hydrogen (H) atoms and 1 oxygen (O) atom. The 2 hydrogen atoms are on one side of the oxygen atom, causing this side to have a net positive electrical charge and the oxygen side to have a negative charge.

4. How do water molecules form droplets of water?

The opposite sides of the water molecules are attracted to each other.

5. Why is water called the universal solvent?

Water is called a universal solvent because more substances dissolve in water than in any other substance.

6. Explain how NaCl or table salt dissolves in water.

When salt is placed into water, the sodium (Na) separates from the chlorine (Cl). The positive sodium is attracted to the negative oxygen of the water molecule, and the negative chlorine is attracted to the positive hydrogen atoms of the water molecule.

7. Write the definitions of the following words.

Vocabulary	
solvent	a substance that can dissolve (or incorporate) another substance
molecule	2 or more atoms bonded together
atom	the basic unit of a chemical element
bond	attaches atoms to one another