

SOL5.4**Day 1**

Explain the difference between an atom and an element.

Give three examples of an element:

What do scientists use to arrange elements? _____

SOL5.4**Day 2**

When two or more atoms are bonded together, they create a _____.

Draw a model of this, labeling the atoms used:

SOL5.4 A _____ is a substance made of at least two different elements bonded together.

Day 3

Write (M)olecule or (C)ompound for each item. If it is a compound, write the elements that are bonded:

___ water _____

___ oxygen _____

___ table salt _____

___ helium _____

___ carbon _____

SOL5.4 A _____ is a mixture in which one substance dissolves in the other. A _____ is a combination of two or more substances where each substance keeps its own identities.

Day 4

Mark each item with (M)ixture or (S)olution:

___ tap water ___ trail mix ___ ocean water ___ salad

___ crayons in a box ___ iced tea ___ popsicle ___ confetti

SOL5.4**Day 5**

Aubree is making iced tea for her mom. She boiled water with several tea bags. Then she filled the jug with sugar, water, and ice cubes before pouring in the hot tea into the jug. She mixed it well with a spoon. She noticed the ice cubes are gone and she can no longer see the sugar that was piled at the bottom of the jug. The iced tea is finished!

Circle the best answer.

When she filled the jug with water, ice, & sugar, she created a **mixture / solution**.

The ice disappeared because the **increase / decrease** in heat **melted / froze** the ice.

At the end of the process, the tea was a **mixture / solution**.