

Compare elements, compounds, and mixtures.

ELEMENTS	COMPOUNDS	MIXTURES

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<p>A substance whose atoms are all alike. Each atom has the same number of protons and electrons.</p> <p>Listed in the periodic table according to the number of protons and electrons.</p> <p>GOLD</p> <p>OXYGEN</p> <p>IRON</p>	<p>A substance made of molecules of different types of atoms. The atoms in a molecule share electrons.</p> <p>The atoms behave differently after they are joined to form a different molecule. They are difficult to separate.</p> <p>SALT</p> <p>WATER</p> <p>CARBON DIOXIDE</p>	<p>Substances are combined but do not share electrons.</p> <p>The different compounds continue to behave in the same way as they did before being mixed together. They are relatively easy to separate.</p> <p>CHOCOLATE MILK</p> <p>LEMONADE</p> <p>SALT WATER</p>

Search through your house to identify common household substances in the kitchen, bathroom, and garage as elements, compounds, or mixtures. Note: You will find very few elements.

Chemistry 7 Information Pieces

<p>A substance whose atoms are all alike. Each atom has the same number of protons and electrons. C-7</p>	<p>GOLD C-7</p>
<p>Listed in the periodic table according to the number of protons and electrons. C-7</p>	<p>OXYGEN C-7</p>
<p>A substance made of molecules of different types of atoms. The atoms in a molecule share electrons. C-7</p>	<p>IRON C-7</p>
<p>The atoms behave differently after they are joined to form a different molecule. They are difficult to separate. C-7</p>	<p>SALT C-7</p>
<p>Substances are combined but do not share electrons. C-7</p>	<p>WATER C-7</p>
<p>The different compounds continue to behave in the same way as they did before being mixed together. They are relatively easy to separate. C-7</p>	<p>CARBON DIOXIDE C-7</p>
<p>The different compounds continue to behave in the same way as they did before being mixed together. They are relatively easy to separate. C-7</p>	<p>CHOCOLATE MILK C-7</p>
	<p>SALT WATER C-7</p>
	<p>LEMONADE C-7</p>

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- 1. Put the student MatchCard and instructor MatchCard back to back in a clear plastic page protector.*
- 2. Laminate the information pieces. Or you can make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.*
- 3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.*