

## Frayer Model

### Example #1

<p><b>Definition</b></p> <ul style="list-style-type: none"> <li>A change of size, shape, or state of matter where the composition of the substance does not change</li> </ul>	<p><b>Non-essential Characteristics</b></p> <ul style="list-style-type: none"> <li>New materials are not formed</li> <li>Same materials are present before and after the change</li> </ul>
<p><i>Physical Change</i></p>	
<p><b>Examples</b></p> <ul style="list-style-type: none"> <li>Melting ice</li> <li>Cutting hair</li> <li>Dissolving sugar</li> </ul>	<p><b>Non-examples</b></p> <ul style="list-style-type: none"> <li>Burning wood</li> <li>Baking a cake</li> <li>Reacting baking soda with vinegar (carbon dioxide is produced)</li> </ul>

## Example #2

<p><b>Essential Characteristics</b></p> <ul style="list-style-type: none"> <li>• Feathers</li> <li>• Hollow bones</li> <li>• Warm blooded</li> <li>• Breathe air with lungs</li> <li>• Wings</li> <li>• Beaks</li> </ul>	<p><b>Non-essential Characteristics</b></p> <ul style="list-style-type: none"> <li>• Ability to fly</li> </ul>
<p><b>Examples</b></p> <ul style="list-style-type: none"> <li>• Robins</li> <li>• Meadowlarks</li> <li>• Parrots</li> <li>• Eagles</li> <li>• Ostriches</li> <li>• Penguins</li> </ul>	<p><b>Non-examples</b></p> <ul style="list-style-type: none"> <li>• Bats</li> <li>• Flying reptiles</li> <li>• Insects</li> <li>• Flying squirrels</li> </ul>

*Birds*

### Example #3

<p><b>Essential Characteristics</b></p> <ul style="list-style-type: none"> <li>• Contains water</li> <li>• Has a shore</li> <li>• Surrounded by land except for areas where it meets another body of water</li> <li>• Larger than a pond</li> </ul>	<p><b>Non-essential Characteristics</b></p> <ul style="list-style-type: none"> <li>• May contain water plants and fish</li> <li>• Likely contains fresh water</li> <li>• May provide an area for recreational activity</li> <li>• May be formed by glaciers</li> <li>• May be an expanded part of a river</li> <li>• May be formed by a dam</li> </ul>
<p><b>Examples</b></p> <ul style="list-style-type: none"> <li>• ____ Ontario</li> <li>• ____ Simcoe</li> <li>• ____ Temagami</li> <li>• Ramsey ____</li> <li>• ____ Victoria</li> <li>• Loch Ness</li> <li>• Lac Champlain</li> </ul> <p><i>(replace ____ with the unknown word)</i></p>	<p><b>Non-examples</b></p> <ul style="list-style-type: none"> <li>• Pond</li> <li>• Puddle</li> <li>• Swimming pools</li> <li>• Elliot Lake (town)</li> <li>• Georgian Bay</li> <li>• Pacific Ocean</li> <li>• St. Lawrence River</li> </ul>

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