**Frayer Model Example #1**

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| **Definition:**  A change is size, shape, or state  of matter where the composition  of the substance does not change. | **Characteristics**  New materials are not formed.  Same materials are present before and after the change. |
| **Examples:**  Melting Ice  Cutting hair  Dissolving sugar | **Non-examples:**    Burning wood  Baking a cake  Reacting baking soda with  vinegar (carbon dioxide is produced) |

**Frayer Model Example #2**

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| **Essential Characteristics:**  Feathers  Hollow bones  Warm blooded  Breathe air with lungs  Wings  Beaks | **Non-essential characteristics:**  Ability to fly |
| **Examples:**  Robins  Meadowlarks  Parrots  Eagles  Ostriches  Penguins | **Non-examples:**  Bats  Flying reptiles  Insects  Flying squirrels |

**Frayer Model Example #3**

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| **Essential Characteristics:**  - *contains water*  - *has a shore*  - *is surrounded by land except at areas where it*  *meets another body of water*  - *larger than a pond* | **Non-essential characteristics:**  -*may contain water plants and fish*  - *likely contains fresh water*  - *may provide an area for recreational activity*  - *may provide a habitat for wildlife*  - *may be formed by glaciers*  - *may be an expanded part of*  *a river*  - *may be formed by a dam* |
| **Examples:**  *\_\_\_\_ Ontario*  *\_\_\_\_ Simcoe*  *\_\_\_\_ Temagami*  *Ramsey \_\_\_\_*  *\_\_\_\_ Victoria*  *Loch Ness*  *Lac Champlain*  *(replace \_\_\_\_\_ with the unknown word)* | **Non-examples:**  -*pond*  - *puddle*  - *swimming pools*  - *Elliot Lake (town)*  - *Georgian Bay*  - *Pacific Ocean*  - *St. Lawrence River* |