Chemical Energy



Label the different states of the chemical below.

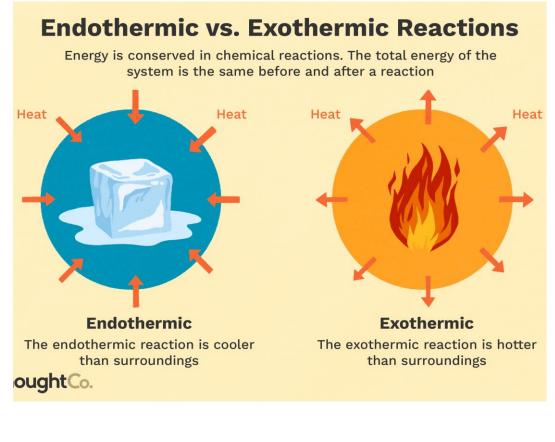
Does it appear to be the same substance throughout the change of state?

Physical vs Chemical change





Chemical Energy



Exothermic reaction:

Vinegar removes the protective iron in the steel exposing the steel to oxygen

Metal + oxygen \rightarrow what chemical reaction?

(Hint: think of an old car that is exposed to rain and oxygen for a long time)

Did the temperature increase or decrease??

Is this the correct trend for an exothermic reaction??

Was this chemical or physical energy?? (Did two or more substance create a new substance?)

Endothermic:

Citric acid in solution	Starting temp (F)	Lowest temp (F)	Time (s)	Remember to add the units to
				your citric acid measurements!!
				Is it teaspoons? Tablespoons? Cups?!?
				Is this the correct trend for an
				endothermic reaction?