

Cognitive Dictionary #1: Heat Transfer and Scientific Method

<u>NEW WORD</u>	<u>MEANING</u>	<u>REAL WORLD EXAMPLE</u>	<u>DETAILED SENTENCE EXAMPLE</u>	<u>DRAWING/SKETCH IN ACTION</u>
<u>Heat Transfer</u>	Heat transfer can occur either by conduction, convection or radiation. The transfer of heat from one object to another.			
<u>Conduction</u>	The process by which heat or electricity is directly transmitted through a substance or object directly.			
<u>Convection</u>	The movement caused within a fluid by the tendency of hotter and less dense material to rise and the colder, denser material to sink with gravity.			

<u>Radiation</u>	The emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles, which cause ionization.			
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<u>Scientific Method</u>	A method of procedure that has characterized natural science since the 17th century, consisting in systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses.			