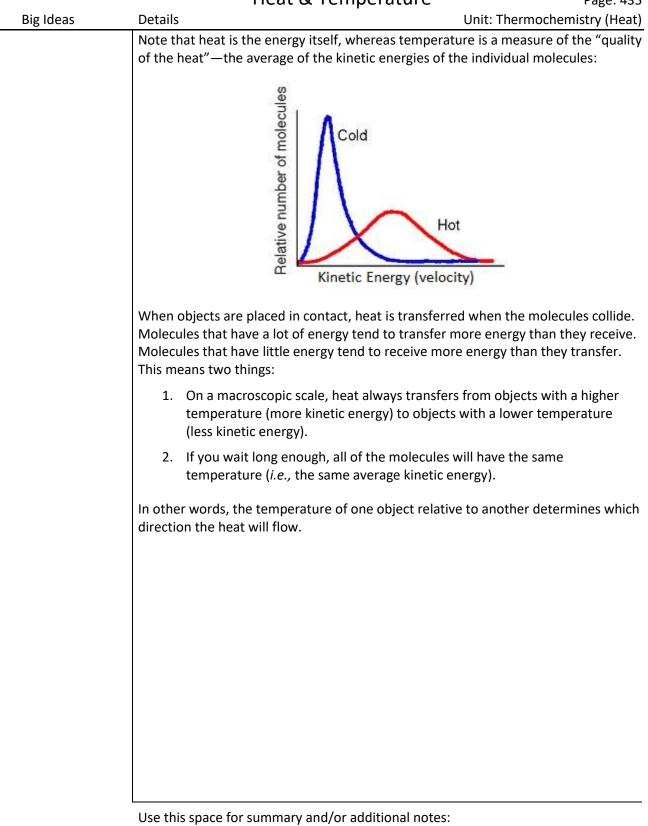
	ricat & remperature Page. 454
Big Ideas	Details Unit: Thermochemistry (Heat)
	Heat & Temperature
	Unit: Thermochemistry (Heat)
	MA Curriculum Frameworks (2016): HS-PS1-4
	Mastery Objective(s): (Students will be able to)
	• Explain the difference between heat and temperature.
	 Describe what is happening at the molecular level when a system is in thermal equilibrium.
	Success Criteria:
	 Explanation accounts for total energy as well as direction of energy flow ("driving force").
	• Description accounts for and relates macroscopic observations to microscopic phenomena.
	Tier 2 Vocabulary: heat, temperature
	Language Objectives:
	 Explain the difference between heat and temperature.
	Notes:
	heat: energy that can be transferred when moving atoms or molecules collide with each other.
	temperature: a measure of the average kinetic energy of the particles (atoms or molecules) of a system.
	thermometer: a device that measures temperature, most often via thermal expansion/contraction of a liquid or solid.

Use this space for summary and/or additional notes:

Heat & Temperature



Heat & Temperature

		leat & Temperature	Page: 436
Big Ideas	Details		Unit: Thermochemistry (Heat)
	As an analogy, heat	transfer is a lot like flowing wate	۲ ۲ .
		from a higher elevation to a low perature to a lower one.	ver one, just like heat flows from
	height of the water molec total heat (e	ergy of the water going over the e waterfall (the average gravitati cules) and the total mass of wate nergy) contained in an object de s temperature.	ional potential energy of the er going over it. Similarly, the

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