## tesson: 1 Thermal Energy, Temperature, and Heat

Predict three facts that will be discussed in Lesson 1 after reading the headings. Record your predictions in your Science Journal.

### **Kinetic and Potential Energy**

I found this on page \_\_\_\_\_

What is Thermal Energy? I found this on page \_\_\_

What is temperature? I found this on page \_\_

## ь s Main Idea жил повая выдачания Details жили и измини и выз

Relate descriptions of energy.

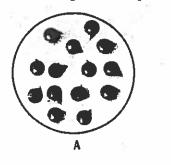
	Kinetic Energy	Potential Energy		
72	20			
Mechanical energy	5 9 1998 5 6 7 *	d) getja		

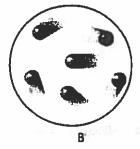
Characterize thermal energy, and explain why matter has it.

of particles		·	
	=ille:	of material	
of particles		1511	X

Explanation:

**Explain** how kinetic energy of the particles relates to differences in temperature represented by the pictures.





# Lesson 1 | Thermal Energy, Temperature, and Heat (continued)

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und this on page	Contrast comm	non temperature	scales.		
	Scale	Water Freezes		Water Boils	
	Celsius	K =			
1))	Kelvin	2 50 2	55	2" B 4.	
	Fahrenheit				
nd this on page	Relate to	emperature of obj	ects to rat	e of heat transfer.	
•		Temperature Difference Between Objects		Rate Heating Occurs	
5.	gr	eater		· .	
e. se					
, N	HAI &	To settle			
Angluze It Describ	De a hot summar da	Strings the search			
Analyze It Describ	e a hot summer da	y using the vocab	ulary terr	ns and Key Conce	