**Guided Reading 8.2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per:\_\_\_\_\_\_**

**Integrated Science – Matter**

1. Thermal energy is caused by a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in temperature.
	1. Increase
	2. Decreased
	3. Change
	4. None of these
2. What is temperature?
3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is an instrument that measures the exact temperature.
4. In a liquid thermometer, the expansion of the liquid is related \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the increase in temperature.
	1. Inversely
	2. Proportionally
5. Absolute zero is the temperature where molecules are completely \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with no movement at all.
	1. Full
	2. Melted
	3. Intact
	4. Frozen
6. Absolute zero occurs at a temperature of
	1. 273°C
	2. -273°C
	3. 273°F
	4. -273°F
7. What is the “Kelvin” scale of measurement?
8. How do you convert from Celsius to Kelvin?