Ch. 24	Guided Reading (Thermodynamics p. 354) Name	Block	_ Date
1.	What is thermodynamics?		
2.	In the 18 th century, scientists thought heat was an invisible fluid called like water from hot to cold.	They thought it	flowed
3.	State the first law of thermodynamics:		
4.	Energy added to a system can do one or both of what two things? 1) 2)		
5.	The process of compression and expansion of a gas so that no heat enters or leaves a sys process.	tem is said to b	e an
6.	How much does the temperature of air change every 1 km in elevation? (figure 24.)		
7.	State the second law of thermodynamics:		
8.	According to the second law of thermodynamics, draw an arrow showing the direction the following two scenarios.	ne heat will flov	v in the
9.	What is a heat engine? How does on work?		

10. What do we get from a heat engine that is useful?

11. What is entropy?