Name:			/9	
Chapter 9 Test Pro		D (C)		
Conceptual Physic	S	Parent Signatur	Parent Signature:	
Section 9.1				
1. The illustrations on of two compounds is		nents. The diagram wh	nich best represents a mixture	
2. Which diagram on J	page 240 best represents	s a gas in a closed cont	ainer?	
	0 represents the uniforming point. Use the graph	C	e starting with the substance ng two questions.	
3. The interval which	represents a phase chang	ge is		
a. A-B	b. C-D	c. D-E	d. E-F	
4. The melting point o	f this substance is about			
a. 10°C	b. 50°C	c. 100°C	d. 140°C	
5. A temperature of 50	°F is equal to			
a. 323K	b. 50°C	c223K	d. 10°C	
6. Skip this question.				
Section 9.2				
	t must be added to raise for steel = 470 J/kg°C)	the temperature of 3 k	ag of steel from 20°C to 30°C	
a. 470 J.	b. 1,410 J.	c. 4,700 J.	d. 14,100 J.	

8. Compared to a gold atom, the mass of an aluminum atom is small. The specific heat of aluminum is
a. lower because there are more atoms per kilogram
b. higher because there are more atoms per kilogram
c. lower because energy is spread over fewer atoms
d. higher because energy is spread over fewer atoms

## Section 9.3

9. The transfer of heat through the motion of fluids is called						
	a. conduction.	b. reflection.	c. radiation.	d. convection.		
10. Heat will always flow from object A to object B if object B has a lower						
	a. mass.	b. total energy.	c. specific heat.	d. temperature.		