Thermodynamics - Temperature and Pressure

(1) This is a preview of the draft version of the quiz

Started: Nov 4 at 9:38am

Quiz Instructions

Question 2	1 pts
Which of these does NOT describe absolute zero?	
the lowest temperature possible	

the temperature at which all motion of molecules ceases	
О К	
 the temperature at which gases freeze 	

Question 3

1 pts

Convert the following temperature from Celsius to Kelvin.

60 °C

Question 4	1 pts
Convert the following temperature from Celsius to Kelvin.	
100°C	

Question 5

Convert the following temperature from Celsius to Kelvin.

-200°C

Question 6	1 pts
Convert the following temperature from Kelvin to Celsius.	
25 K	

Question 7	1 pts
Convert the following temperature from Kelvin to Celsius.	
714 K	

Question 8	3
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1 pts

Convert the following temperature from Kelvin to Celsius.

355 K

Question 9	1 pts
Situation 1: A piece of ice is placed into a glass of room temperature water.	
Situation 2: A marshmallow is held above the flames of a fire.	
Situation 3: You touch a metal handrail and it feels cold.	
In situation 1, heat flows from to	
the piece of ice; the water	
the ice; the system	
the water; the piece of ice	

	water;	tne	envir	onm	ent
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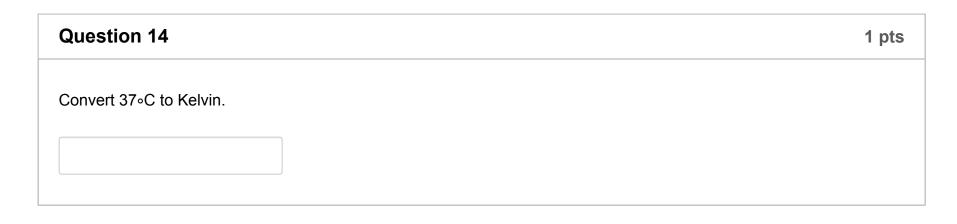
Question 10	1 pts
Situation 1: A piece of ice is placed into a glass of room temperature water.	
Situation 2: A marshmallow is held above the flames of a fire.	
Situation 3: You touch a metal handrail and it feels cold.	
The heat will flow to, and for the situations above.	
○ ice, marshmallow, hand	
water, marshmallow, handrail	
water, marshmallow, hand	
ice, marshmallow, handrail	

Question 11	1 pts
A piston is used to compress a gas inside a cylinder. Which of the following statements is true?	
Work was done on the system so it is positive.	
Work was done by the system so it is negative.	

Work was done by the system so it is positive.	
Work was done on the system so it is negative.	
Question 12	1 pts
Which of the following devices would be most useful in finding the change in the average kinetic energy of the molecules in a substance?	
a force sensor	
○ a microscope	
 a thermometer 	

Question 13	1 pts
A gas in a closed container is heated. Which of the following changes would you expect?	
the number of molecules of gas increases	
 the temperature of the gas will decrease 	
 the molecules of the gas gain kinetic energy 	

the molecules of the gas will collide less frequently



Question 15	1 pts
Convert 373K to degree Celsius.	

Question 16 1 pts	5
A beaker of water is heated from 280K to 295K. What is the change in temperature of the water in degrees Celsius?	

Question	17
Question	

1 pts

The human body maintains a constant temperature of 98.6 degrees Fahrennheit. What is normal body temperature in degrees Celsius?

1 pts

Quiz saved at 9:38am Su