CONNECTICUT CHEMISTRY · UNIT 4 · 10 QUESTIONS

Gases, Thermodynamics, and Equilibrium — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Which statement about Enthalpy is correct**

- A a process occurring without outside energy input
- B a process absorbing heat
- C heat content of a system at constant pressure
- D a process releasing heat

Understand It with Pulse | Flag a mistake

2 **Which statement about Spontaneous process is correct**

A a process absorbing heat

B a process releasing heat

C pressure from vapor above a liquid

D a process occurring without outside energy input

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3 **Which statement about Endothermic process is correct**

A a process absorbing heat

B a process releasing heat

C pressure from vapor above a liquid

D the temperature where vapor pressure equals outside pressure

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4 **Which statement about Exothermic process is correct**

A pressure from vapor above a liquid

B a process releasing heat

C the temperature where vapor pressure equals outside pressure

D the temperature where a solid becomes a liquid

Understand It with Pulse | Flag a mistake

5 **Which statement about Vapor pressure is correct**

A the temperature where vapor pressure equals outside pressure

B the temperature where a solid becomes a liquid

C pressure from vapor above a liquid

D a change between states of matter

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6 **A gas at constant temperature has pressure doubled. Its volume becomes, in a simplified model starting at 10 liters, the new volume is**

ANSWER _____

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7 **A gas at constant pressure has temperature doubled in kelvin. Its volume, starting at 4 liters, becomes**

ANSWER _____

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8 **A gas has pressure 2 atmospheres and volume 6 liters. The product of pressure and volume is**

ANSWER _____

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9 **A reaction releases 100 joules. The heat released in 3 identical reactions is**

ANSWER _____

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10 **A system absorbs 50 joules and releases 20 joules. The net heat absorbed is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	C	**9.**	300
2.	D	**6.**	5	**10.**	30
3.	A	**7.**	8		
4.	B	**8.**	12		

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