ARKANSAS CHEMISTRY · UNIT 4 · 5 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 **Increasing temperature shifts an exothermic equilibrium toward**

- A Reactants
- B Products
- C No change
- D Catalyst

Understand It with Pulse | Flag a mistake

2 **A catalyst speeds both forward and reverse reactions equally, so it does not change the**

- A Reaction rate
- B Equilibrium position
- C Temperature
- D Pressure

Understand It with Pulse | Flag a mistake

3 **The value of K is larger than 1 when products are favoured at**

- A The start only
- B Zero temperature
- C Equilibrium
- D High pressure only

Understand It with Pulse | Flag a mistake

4 **A gas at 2 atmospheres and 4 litres is compressed to 2 litres at constant temperature, what is the new pressure in atmospheres**



ANSWER

Understand It with Pulse | Flag a mistake

5 **A gas at 300 kelvin and 6 litres is heated to 600 kelvin at constant pressure, what is the new volume in litres**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. 4
5. 12

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