DELAWARE 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 **Which of the following is an example of endothermic reaction?**

- A a tire pressing on the road
- B ice melting in a warm room
- C squeezing a balloon raises its pressure
- D a balloon expanding when heated

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2

Which statement best describes endothermic reaction?

A gas pressure comes from particle collisions with walls

B Boyle's law is an inverse relationship

C endothermic reactions cool their surroundings

D Charles's law uses kelvin temperatures

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3 **Which term is defined as follows: a state where forward and reverse rates are equal?**



A pressure

B equilibrium

C Boyle's law

D Charles's law

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4 **Which of the following is an example of equilibrium?**

A a tire pressing on the road

B squeezing a balloon raises its pressure

C a tug of war with no movement

D a balloon expanding when heated

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5 **Which statement best describes equilibrium?**

A gas pressure comes from particle collisions with walls

B Boyle's law is an inverse relationship

C Charles's law uses kelvin temperatures

D at equilibrium, concentrations stay constant but reactions continue

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ANSWER KEY

1. B
2. C
3. B
4. C
5. D

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