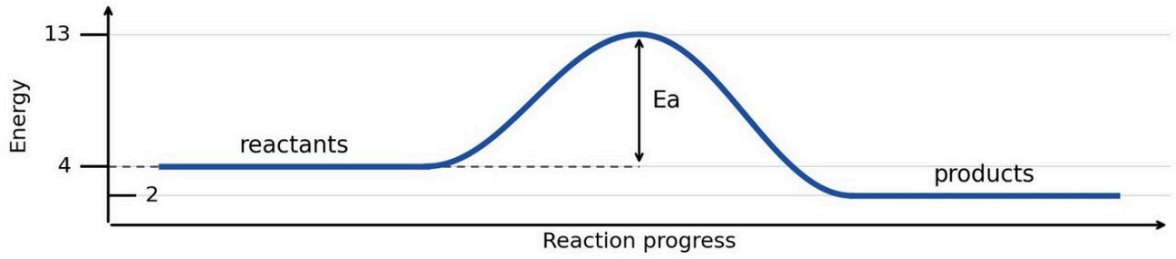
ARIZONA CHEMISTRY · UNIT 4 · 5 QUESTIONS

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 so it can be fixed.

1 **The energy diagram shows reactants, a peak, and products. The activation energy is the peak minus the reactants. With reactants at 4 , peak at 13 , and products at 2, the activation energy is**



A 4

B 9

C 13

D 2

Understand It with Pulse

Flag a mistake

2 **A gas occupies 10 L at 1 atm. At constant temperature and 2 atm, its volume, in liters, is ____**

Type your answer

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3 **Absolute zero is**

A The boiling point of water

B Room temperature

C The lowest possible temperature, 0 kelvin

D The freezing point of water

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4 **A temperature of 127 degrees Celsius, in kelvin, is ____**

Type your answer

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5 **A stainless steel pressure cooker on a gas stove burner. Gas pressure is caused by**



A Particles attracting the walls

B Particles dissolving

C Particles bonding together

D Particles colliding with the walls of the container

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ANSWER KEY

1. B
2. 5
3. C
4. 400
5. D

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