ONTARIO CHEMISTRY, GRADE 12, UNIVERSITY PREPARATION (SCH4U) · UNIT C · 5 QUESTIONS

Energy Changes and Rates of Reaction — 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 **White wall-mounted digital thermostat on a plain light wall, clear temperature display showing a steady temperature, thermostat large in frame. The Arrhenius equation relates rate constant to temperature and**



A Pressure

B Activation energy

C Volume

D Concentration

Understand It with Pulse | Flag a mistake

2 **At higher temperature, the fraction of particles with energy above activation energy**

A Becomes zero

B Stays the same

C Increases

D Decreases

Understand It with Pulse | Flag a mistake

3 **A homogeneous catalyst is in the same phase as the**

A Products only

B Thermometer

C Reactants

D Container

Understand It with Pulse | Flag a mistake

4 **An enzyme is an example of a catalyst that is a**

A Gas

B Biological protein

C Acid only

D Metal ion only

Understand It with Pulse | Flag a mistake

5 **The standard enthalpy of formation of an element in its standard state is**

A Positive

B Negative

C Zero

D One

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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