CALIFORNIA CHEMISTRY · UNIT 1 · 5 QUESTIONS

Atomic Structure and Periodic Properties — Practice Test

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1

A physics lab pulley clamped to the edge of a wooden lab table, a rope running over the pulley with a small cylindrical metal mass hanging from it, a wooden block resting on the table connected by the rope, bright daylight, sharp focus, no people, no text. The mass of a proton is about



A About 1 atomic mass unit

B Zero

C About 12 atomic mass units

D The same as an electron

Understand It with Pulse

Flag a mistake

2 **Bohr model electrons move in fixed paths called**

A Nuclei

B Orbitals in clouds

C Energy levels

D Ions

Understand It with Pulse | Flag a mistake

3 **The modern quantum model describes electrons in terms of**

A Probability regions called orbitals

B Exact circular paths only

C Proton tracks

D Fixed shells only

Understand It with Pulse | Flag a mistake

4 **An element in period 3, group 1 has how many electron shells occupied in its atoms**

A 2

B 3

C 7

D 1

Understand It with Pulse | Flag a mistake

5 **Potassium has atomic number 19 A potassium atom has how many valence electrons**

ANSWER _____

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ANSWER KEY

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

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