

CHAPTER 4 REVIEW

Arrangement of Electrons in Atoms**SECTION 2****SHORT ANSWER** Answer the following questions in the space provided.

- How many quantum numbers are used to describe the properties of electrons in atomic orbitals?
 (a) 1 (b) 2 (c) 3 (d) 4
- A spherical electron cloud surrounding an atomic nucleus would best represent
 (a) an *s*-orbital. (b) a *p*-orbital.
 (c) a combination of two different *p*-orbitals. (d) a combination of an *s* and a *p*-orbital.
- How many electrons can an energy level of $n = 4$ hold?
 (a) 32 (b) 24 (c) 8 (d) 6
- How many electrons can an energy level of $n = 2$ hold?
 (a) 32 (b) 24 (c) 8 (d) 6
- Compared with an electron for which $n = 2$, an electron for which $n = 4$ has more
 (a) spin. (b) particle nature.
 (c) energy. (d) wave nature.
- According to Bohr, which is the point in the figure below where electrons cannot reside?
 (a) point A (b) point B (c) point C (d) point D



- According to the quantum theory, point D in the above figure represents
 (a) the fixed position of an electron.
 (b) the furthest position from the nucleus that an electron can achieve.
 (c) a position where an electron probably exists.
 (d) a position where an electron cannot exist.

Chapter 4 Arrangement Of Electrons In Atoms Test

David Kirk



Chapter 4 Arrangement Of Electrons In Atoms Test:

Reviewing **Chapter 4 Arrangement Of Electrons In Atoms Test**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Chapter 4 Arrangement Of Electrons In Atoms Test**," an enthralling opus penned by a highly acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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