MCAT 45

Simon & Schuster - MCAT Scores

Under anaerobic conditions, how many molecules of ATP are produced by the consumption of 5 moles of glucose?

A. 3×10^{24}

B. 6×10^{24}

C. 9×10^{24}

D. 1.2×10^{25}

Solution: The correct answer is **B.**

Under anaerobic conditions, 2 moles of ATP are produced from each mole of glucose. Thus, 10 moles of ATP would be generated from 5 moles of glucose. Since there are 6×10^{23} molecules per mole, 10 moles of ATP is equal to 6×10^{24} molecules. It is a Scientific Reasoning and Problem Solving question because you must use knowledge about the production of ATP under anaerobic conditions and Avogadro's number relating molecules to moles to scale the answer to the correct value and units.

Description: -

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Notes: At head of title: Kaplan.
This edition was published in 2004

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The Biological Sciences section had been the most directly correlated section to success on the USMLE Step 1 exam in an article published in 2002, with a moderate correlation coefficient of.

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These changes were revealed in 2012 so that undergraduate premedical advisers studied the MR5 documents to translate tested core competencies into premedical course recommendations at their campuses.

MCAT Scores

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Average GPA and MCAT Score for Every Medical School (2021 Updates) — Shemmassian Academic Consulting

For more information on this, be sure to refer to our. The AAMC plans to use medical school data from 2017-2021 to determine the predictive ability of the new MCAT. Thus, statements I and II are true choice C is correct.

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