

Question No. 1 of 10

Instruction: (1) Read the problem statement and answer choices carefully (2) Work the problems on paper as needed (3) Pick the answer (4) Go back to review the core concept tutorial as needed.

<p>Question #01</p>	<p>Question 1. Which of the following is not a multiple choice section on the MCAT?</p> <p>(A) Verbal reasoning (B) Scientific reasoning (C) Physical sciences (D) Biological sciences</p>
<p>Feedback on Each Answer Choice</p>	<p>A. Incorrect! Verbal reasoning is a section on the MCAT. There will be 40 multiple choice questions on this portion of the exam.</p> <p>B. Correct! There is no scientific reasoning section on the MCAT.</p> <p>C. Incorrect! There is a Physical Sciences section on the MCAT consisting of questions about general chemistry and physics. There will be 52 multiple choice questions on this portion of the exam.</p> <p>D. Incorrect! There is a Biological sciences section on the MCAT consisting of questions about organic chemistry and biology. There will be 52 multiple choice questions on this portion of the exam.</p>
<p>Solution</p>	<p>(1) Recall the structure of the exam.</p> <p>There are four sections of the MCAT. One is the writing sample section where you will be asked to answer two essay questions. The other three sections are multiple choice: physical sciences, biological sciences, and verbal reasoning.</p> <p>Therefore the correct answer is (B).</p>

Question No. 2 of 10

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Question #02	Question 2. How long will you have to complete the 52 questions in the biological sciences section? (A) 50 minutes (B) 60 minutes (C) 70 minutes (D) 80 minutes
Feedback on Each Answer Choice	A. Incorrect! 52 questions in 50 minutes? That is less than one minute per question. You will have slightly longer than that to figure out the answer to the question. B. Incorrect! While this would give you about 1 minute and 15 seconds per question, this still isn't quite long enough for those passage-based questions. C. Correct! A section time of 70 minutes gives you about 1 minute and 30 seconds per question. Make sure to use the time wisely! D. Incorrect! A section time of 80 minutes would give you about 2 minutes per question. While this would be nice, it would make the exam unnecessarily long.
Solution	(1) Recall the structure of the exam. You must complete four sections of the exam in one sitting. You will have one hour each for the verbal reasoning and writing sample sections. With the physical sciences and the biological sciences sections, you will be given an additional 10 minutes per section (70 minutes total). Therefore, the correct answer is (C).

Question No. 3 of 10

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Question #03	Question 3. Which of the following organic chemistry topics will not be tested on the MCAT? (A) Covalent bonding (B) Biological molecules (C) Reactions of alkenes (D) History of chemistry
Feedback on Each Answer Choice	A. Incorrect! Covalent bonding is a very important concept in organic chemistry and will be covered on the exam. B. Incorrect! Knowledge of biological molecules is very important for those who wish to be physicians, so you can count on it being tested on the MCAT. C. Incorrect! Knowledge of the reactions of alkenes, along with Markovnikov's Rule, will serve you well as it is covered extensively on the MCAT. D. Correct! While very interesting, the history of chemistry is not tested on the MCAT.
Solution	(1) Recall the topics list in the tutorial. A range of topics was included from basic bonding to complex biological molecules. The history of chemistry, however, was not on the list. Therefore, the correct answer is (D).

Question No. 4 of 10

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Question #04	Question 4. Roughly, what percentage of the organic chemistry questions will be passage based? (A) 20% (B) 40% (C) 60% (D) 80%
Feedback on Each Answer Choice	A. Incorrect! While not the percentage of passage-based questions, it is roughly the percentage of stand-alone questions. B. Incorrect! The percentage of passage-based organic chemistry questions will be considerably higher than 40%. C. Incorrect! The percentage of passage-based organic chemistry questions will be considerably higher than 60%. D. Correct! Passage-based organic chemistry questions will comprise roughly 80% of the section. The other 20% will be comprised of stand-alone questions.
Solution	(1) Recall the structure of the exam. There are two types of questions on this section of the MCAT: passage based questions and stand-alone questions. Passage-based questions are based on information in a passage and require outside knowledge to answer them. Stand-alone questions require only outside knowledge to answer them. The correct percentage of passage-based questions is 80%. Therefore the correct answer is (D).

Question No. 5 of 10

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Question #05	Question 5. Which statement regarding time management and the MCAT is incorrect? (A) You need to set up a study schedule and stick to it. (B) You will need to study every chapter in your organic chemistry text as it all will be tested on the MCAT. (C) Building long term memory by studying in sets ahead of time increases memory and understanding of concepts. (D) It is a waste of time to continue to study all topics concurrently—focus on your weak areas.
Feedback on Each Answer Choice	A. Incorrect! This is an excellent idea for managing your study time. You are also more likely to study everyday if you set aside time specifically for that purpose. B. Correct! Every chapter from your organic chemistry text is not covered on the MCAT. Recall the topics list in the tutorial. C. Incorrect! This statement is true. You will remember more if you do not cram. D. Incorrect! This statement is true. Review the topics covered and focus on those that give you the most trouble.
Solution	(1) Recall the tips for time management in the tutorial. It is best to start studying months ahead of time for the MCAT. A lot of material is covered on the exam but if you start studying for it early, you will be able to obtain a high score on the MCAT. Budget your time wisely by studying a little every day and by focusing on topics that give you the most trouble. Do not wait until the last minute and try to “cram” the information. Also, review the topics list in the tutorial—not all topics you covered in your organic chemistry course will be on the exam. Therefore, the correct answer is (B).

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Question #06	Question 6. Which tip below is not a way to increase your mastery of the concepts to be tested? (A) Generalize concepts when possible to save time and memorization. (B) Translate formulas into words to give them more meaning. (C) If you can't find the answer to a question in your study materials, do not waste time looking elsewhere as it probably won't be on the exam. (D) Practicing problems help solidify your understanding of the concepts.
Feedback on Each Answer Choice	A. Incorrect! Generalizing concepts allows you to be able to reason your way to the correct answer. By finding trends in the topics covered, you can reduce your study time on the topic. B. Incorrect! By translating formulas (like C_nH_{2n+2}) into words, it makes them easier to remember. C. Correct! This statement is not true. Always make sure you have all your questions answered prior to taking the MCAT. You never know--those very questions may be on the exam. D. Incorrect! The more practice problems you do, the better you will become at identifying what is being asked and the best way to arrive at the correct answer.
Solution	(1) Recall the tips for mastering the concepts from the tutorial. There are some things you can do to master the concepts to be tested on the MCAT. Finding trends in the topics covered, generalizing concepts, practicing by performing problems, and making sure all your questions about the concepts are answered are just some of the things you can do to help your performance on the MCAT.

Question No. 7 of 10

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Question #07	Question 7. In studying for the MCAT, where can you look for possible practice problems? (A) Organic chemistry textbook. (B) Search online for sites that offer MCAT practice problems. (C) Make mock exams of your own. (D) All of the above.
Feedback on Each Answer Choice	A. Incorrect! While many practice problems can be found at the end of the chapters in your organic chemistry text, there are other places you can look too. B. Incorrect! Searching online for practice problems is feasible but there are other places you can find such problems too. C. Incorrect! Making mock exams or studying with a friend and quizzing each other is certainly one way to practice problems like those on the exam. Can you find practice problems elsewhere too? D. Correct! All three answers are great ways to find practice problems for the MCAT.
Solution	(1) Recall the tutorial tips on practicing for the MCAT. The more you practice the concepts that will be tested on the MCAT, the better you will perform. Some of the best places to find practice problems on organic chemistry concepts are in an organic chemistry textbook, on an online website that has MCAT practice problems, or make the questions up for a mock MCAT yourself. Therefore, the correct answer is (D).

Question No. 8 of 10

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Question #08	Question 8. What item(s) are you required to bring with you to take the exam? (A) A digital watch (B) A current and valid government-issued photo identification card that includes your signature (C) A pen or pencil (D) All of the above
Feedback on Each Answer Choice	A. Incorrect! You will need a digital watch but you will also have need of what other things? B. Incorrect! You will need a current and valid government-issued photo identification card that includes your signature, but you will also have need of what other things? C. Incorrect! You will need a pen or pencil, but you will also have need of what other things. D. Correct! You will need all three things for the MCAT. The watch will help you keep track of the time remaining for each section. The ID is needed to confirm your identity. And while the exam is computer based, you will need a pen or pencil to make notes on scratch paper.
Solution	(1) Recall the items you will need to take with you to the testing center. You will need a digital watch, a government issued ID (with signature), and a pen or pencil. The watch will help you keep track of the time remaining for each section. The ID is needed to confirm your identity. And while the exam is computer based, you will need a pen or pencil to make notes on scratch paper. Therefore, the correct answer is (D).

Question No. 9 of 10

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Question #09

Question 9. Which of the following are valid ways to approach arriving at an answer to a MCAT question?

- (A) Think of an answer to the question and then scan the possible choices.
- (B) Beware of an absolute answer as it only takes one exception to break it.
- (C) Out of two opposite answers, one is usually correct as the test often wants you to differentiate between two core ideas.
- (D) All of the above.

Feedback on Each Answer Choice

A. Incorrect!

This is one way to approach the solution of a question. But what if you didn't know the answer prior to reading the answer choices?

B. Incorrect!

This is one way to approach the solution of a question. But is it the only way?

C. Incorrect!

This is one way to approach the solution of a question. But is it the only way?

D. Correct!

All three choices are excellent ways to approach finding an answer to a particular question.

Solution

(1) Recall the tutorial tips for arriving at an answer for each question.

There are several ways to arrive at an answer on a multiple choice exam. One way is to think of the answer prior to reading the possible answers. Afterwards, you may affirm your answer by comparing it to the possible choices.

Other tips include being wary of absolute answers, being wary of familiar answers, reasoning that similar choices are probably incorrect, and eliminating as many choices as possible and then making an educated guess.

Therefore, the correct answer is (D).

Question No. 10 of 10

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Question #10	<p>Question 10. A majority of the questions on the MCAT will be passage-based. One approach to these types of questions is the SURE method. What does SURE stand for?</p> <p>(A) Skim, Underline, Review, Examine (B) Soak in the details, Understand, Review, Examine (C) Skim, Underline, Read, Enjoy (D) Skim, Understand, Read, Examine</p>
Feedback on Each Answer Choice	<p>A. Incorrect! While underlining parts of the passage and reviewing the passage might be helpful to some, SURE stands for something else.</p> <p>B. Incorrect! You do not want to get bogged down in the small details of a passage while taking the exam. Remember, you will only have 70 minutes to complete this section.</p> <p>C. Incorrect! Alas, the writers of the MCAT are not known for their enjoyable prose. SURE stands for something else.</p> <p>D. Correct! SURE stands for skim, understand, read, and examine.</p>
Solution	<p>(1) Recall the SURE method.</p> <p>A. Skim Skim through each passage noting the key facts. Do not try to master all the details.</p> <p>B. Understand Understand the main ideas of each passage. Identify the key facts in a passage.</p> <p>C. Read Read each question statement carefully. Be very clear on what is being asked. Work out the answer.</p> <p>D. Examine Examine each answer choice. Eliminate the obvious. Select the best answer. Review the passage if needed.</p> <p>Therefore, the correct answer is (D).</p>