Key MCAT Terms MCAT Questions • MCAT: Medical College Admissions Test is a standardized exam required to gain admission to medical school. MCAT Courses: The new four-sections MCAT requires Passage-Based Questions Stand-Alone Questions seven college courses – general chemistry, organic (75%)(25%)chemistry, biochemistry, biology, physics, psychology and **Biology on the MCAT** sociology. • Passage-Based Question: A question relating to **Test Coverage** information in an accompanying passage. The answer may Most if not all the biology questions will be covered in traditional two-semester biology courses. However, more or may not be in the passage. • Discrete Question: A question that has a topic advanced courses are highly recommended to offer in-depth independent of a passage or other questions with four coverage. These courses include, not limit to, molecular possible answer options. biology, cellular biology and human biology, i.e. anatomy & • Test Sections: (1) Chemical and physical foundations (2) physioloay. Critical Analysis and Reasoning Skills (3) Biological and **Key Topics** Biochemical Foundations (4) Psychological, Social and Enzymes and Metabolism 0 Biological foundations. 0 DNA and Protein Synthesis • General Biology: MCAT requires students to take two Eukaryote Molecular Biology 0 semesters of college-level biology for pre-med. Genetics 0 Computer-based Test: MCAT is 100% to be taken on Microbiology 0 computer with on-screen timer but no calculator provided. Eukaryotic Cells 0 Nervous and Endocrine Systems 0 **MCAT Overview** Circulatory, Lymphatic and Immune Systems 0 Registration Respiration System 0 The MCAT is offered multiple times a year. Skin System 0 Register here: http://www.aamc.org/mcat/ **Digestive and Excretory Systems** 0 Plan ahead six months before taking the exam. Muscle and Skeletal Systems 0 Scoring Reproductive System and Development 0 • Four sectional scores and one total score with midpoint Evolution 0 Chem/Phys Section: 118-132 (midpoint = 125) **Test-Preparation Strategies** Critical/Reasoning: 118-132 (midpoint = 125) Bio/Biochem - 118-132 (midpoint = 125) **Time Management** Psy/Social - 118-132 (midpoint = 125) Study only the Biology topics given. 0 Composite Score: 472-528 (midpoint = 500) Spend core study hours on weak areas only. 0 Test Day Schedule (4 sections 10-min break each) Set a study schedule and stick to it. 0 Chem/Phys: 95 minutes, 59 questions. **Concept Mastery** Critical/Reasoning: 90 minutes, 53 questions. Translate formulas into words to give them meaning. 0 Bio/Biochem: 95 minutes, 59 questions. Psy/Social: 95 minutes, 59 questions. Generalize concepts to save memorization and time. 0 Resolve any questions you have. 0 **Practice Problems MCAT Test Format** Solve problems in these tutorial drills. 0 MCAT Solve relevant problems in Biology textbooks. 0 (Medical College Admissions Test) Solve problems in full-length practice exams. 0 Solve problems on self-made mock exams 0 **Review** Make cheat sheets. 0 Chemical Biological Psychological Critical Use audio for learning-on-the-go. 0 Biochem Reasoning Physical Social/Bio **Test-Taking Strategies** Passage(44) Passage(44) Passage(44) Passage (53) Discrete(15) Discrete(15) Discrete(15) Discrete(0) **Know the Test** Arrive early with required materials. 0 Memorize the MCAT time format ahead of time. 0 Memorize the instructions ahead of time. 0 GenChem Biology GenChem Biology **Plan Your Attack** Psychology None (30%)(5%) (5%) (65%) (65%) Skim the section to budget time. 0 Organic Sociology Set approximately a 1-minute time limit per question. Physics Organic 0 (15%) (5%) **Build Focus** (25%) (30%)Biology Biochem Biochem Go with your first instinct answer. 0 (25%) (25%)(5%) If distracted, pull back to regain focus. 0 Set the time limit per question and move on. 0 **Zoom In On the Answer** · Biology in MCAT requires the biological understanding at Think of the answer first, and then scan the choices. 0 Beware of the familiar and the absolute. 0

Deal with similar or opposite answer choices.

Guess the Right Way

- Never leave a question unanswered. Guess instead. 0
 - Eliminate incorrect answers to improve guessing odds.

How to Use This Cheat Sheet: These are the keys related this topic. Try to read through it carefully twice then recite it out on a blank sheet of paper. Review it again before the exams.

01: Introduction to Biology in MCAT

- the organizational levels molecular level, cellular level, and human system level. MCAT is a 100% computer-based test.
- The new exam is longer with total seat time 7.5 hours.

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