

MCAS Prep Biology Review Materials/Course Outline

The following document is separated by standards covered on the MCAS biology exam. Please refer to the sections that you need the most practice in order to prepare for the MCAS Biology Exam.

1. Biochemistry (The Chemistry of Life) & Cell Biology

Chemistry of Life

- a. [Comparing Macromolecules 1](#)
- b. [Chemistry of life Vocab review Quizlet](#)
- c. [Chemistry of life Kahoot review](#)
- d. [Water and Its properties Notes](#)
- e. [Elements Compounds Mixture Review Worksheet](#)
- f. [Enzymes Review](#)
- g. [Overall notes Chemistry of Life](#)
- h. [Chemistry of Life Extra video review](#)

Cell Biology

- a. [Cell Biology Introduction](#)
- b. [Chloroplasts and Mitochondria](#)
- c. [Plant vs Animal Cell](#)
- d. [Photosynthesis and Respiration Review](#)
- e. [Cell Biology Review](#)
- f. [Plants vs Fungi](#)
- g. [Cell Cycle Notes](#)

2. Genetics

- a. [DNA structure Notes](#)
- b. [Mutations Overview](#)
- c. [More Mutations](#)
- d. [Replication, Transcription, Translation](#)
- e. [Punnett Square 101](#)
- f. [Genetics quiz](#)

3. Anatomy and Physiology

- a. [Video review digestive system](#)
- b. [Video review respiratory system](#)
- c. [Respiratory practice quiz](#)
- d. [Circulatory system video review](#)
- e. [Human Body systems Full review Khan Academy](#)
- f. [Transport Review](#)
- g. [Osmosis Review](#) and [osmosis video](#)
- h. [hypertonic hypotonic isotonic khan academy](#)

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4. Evolution and Biodiversity

- a. [Evolution Intro](#)
- b. [Evolution and Natural Selection Video Review](#)
- c. [What is biodiversity?](#)
- d. [Evolution Quizlet](#)
- e. [Evolution and Biodiversity Quizz](#)
- f. [Biological Diversity Practice Test](#)

5. Ecology

- a. [Intro to ecology](#)
- b. [Ecology pyramid](#)
- c. [Food web and Chain reading](#)
- d. [What is a food web?](#)
- e. [Types of Ecological relationships](#)
- f. [Ecology and Biodiversity quizlet](#)

OVERALL REVIEW MATERIALS

- 1. Link to a quizlet
<https://quizlet.com/23921827/mcas-biology-review-packet-flash-cards/>
- 2. Kahoot Review Game
<https://create.kahoot.it/share/biology-mcas-practice-1/4aa2a404-e756-4c3d-afbe-20ed131cd014>
- 3. Another Kahoot review game
<https://create.kahoot.it/share/science-mcas-preparation-biology/e05fc6fe-8703-42cd-bae2-3102eca77dfc>
- 4. Review Packet with Answers
https://drive.google.com/file/d/11xNr5lY7VKljFhSgo_O6edu53PJFO33Z/view?usp=sharing