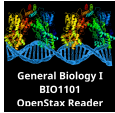




The following lectures are covered on the third exam.
The following lecture schedule contains links to the book sections from [Biology](#) from OpenStax College (CC-BY 4.0)

	WeekLecturesTopic with link to Openstax pages	Openlab Supplement
	14. ENERGY Cells and the Flow of Energy Metabolic Reactions and Energy Transformations Metabolic Pathways Oxidation and Reduction	Energy
VIII	15. CELLULAR RESPIRATION I Cellular Respiration (Anaerobic) Outside the Mitochondria: Glycolysis Fermentation	Glycolysis and Fermentation
	16. CELLULAR RESPIRATION II Cellular Respiration (Aerobic) Inside the Mitochondria: The Preparatory Reaction (Hub) Citric Acid Cycle (TCA) Electron Transport Chain (ETC) Metabolic Pool	Aerobic Respiration
IX	17. PHOTOSYNTHESIS I Photosynthetic Organisms The Process of Photosynthesis Plant as Solar Energy Converters: Light Reactions	Light Capture
>	18. PHOTOSYNTHESIS II Dark Reactions: Calvin Cycle Reactions (Carbon Fixation) Other Types of Photosynthesis	Carbon Fixation
X	19. ASEXUAL REPRODUCTION The Cell Cycle and Its Control Mitosis and Cytokinesis The Cell Cycle and Cancer Prokaryotic Cell Division	Cell Cycle



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| | 20. | SEXUAL REPRODUCTION
Halving the Chromosome Number
Genetic Variation
The Phases of Meiosis
Comparison of Meiosis and Mitosis
The Human Life Cycle (Spermatogenesis & Oogenesis) | Meiosis and
Gametogenesis |
| XI | 21. | CHROMOSOMES
Changes in Chromosome Number and Structure | Chromosomes |
| | 22. | Exam 3 | |