

ARC Week at Glance: AP/IB Biology (Ms. West)

Topic: Unit 3: Energetics **Course:** AP/IB Biology **Grade:** 10, 11, 12 **Dates:** Oct 27 – Oct 31

Note: For lesson resources, handouts, etc., please see our Canvas Course.

This week's Homework Focus: 3.4 & 3.5 AP Classroom Videos

	Learning Target (I am learning about...)	Criteria for Success (I can...)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>		
Monday	I am learning about enzymes.	I can - Explain the relationship between enzymes and substrates - Explain the impact of pH, temperature, and substrate concentration on enzyme activity - Design an investigation to determine how temp, pH, substrate concentration, or source of enzyme impacts rate of reaction	Math Monday Do Now	Sub Plan: Enzyme Inthinking Sheet & Catalase Design Lab	

Tuesday	I am learning about enzyme reactions.	I can - Collect and analyze data for enzyme catalyzed reactions - Investigate how Surface Area impacts reaction rate - Investigate the impact of temperature, pH, or substrate concentration on enzyme activity	Test Prep Tuesday Do Now – CER practice question (Claim, Evidence, Reasoning Writing)	Catalase Design Lab Investigation – data collection	Data Analysis & Graphing
Wednesday	I am learning about enzyme reactions.	I can - Explain the relationship between enzymes and substrates - Explain the impact of pH, temperature, and substrate concentration on enzyme activity	WIS WIM Do Now – Summarizing Sentences & Question Writing	Catalase Design Lab Investigation – conclusion writing and data talks	Catalase Lab Data Talks formative check – turn and talks lab conclusions
Thursday	I am learning about enzyme reactions.	I can - Explain the relationship between enzymes and substrates - Explain the impact of pH, temperature, and substrate concentration on enzyme activity	Throwback Thursday Do Now – MCQ & Justification writing	Mitochondrion/Chloroplast Structure overview after quiz	Catalase Lab Assessment Check

Friday	I am learning about STEM Careers	I can Explain 3 Careers in the STEM Field and the steps needed to enter into those careers	FRQ Friday Do Now – FRQ answer construction and self-assessment	STEM Careers Virtual Field Trip – Video & Graphic Organizer Postponed from last Friday due to PSAT schedule impacts	Mitochondria vs Chloroplast Structure Reviews
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Literacy Tasks

Minor Assessment

Major Assessment