

		<b>MONDAY</b> September 3	<b>TUESDAY</b> September 4	<b>WEDNESDAY</b> September 5	<b>THURSDAY</b> September 6 Day 1	<b>FRIDAY</b> September 7 Day 2
<b>M O L E B I O</b>					<b>Introductions;</b> <b>Syllabus;</b> <b>Textbooks</b>	<b>Chemistry Skills QUIZ</b>  How to make various molar solutions  <b>Video Tutorials:</b> safety measurement making solutions
					<b>Bring a calculator!</b>	<b>Read DNA Science</b> (pg. 321-330); <b>Read Lab #1</b>
<b>H W</b>						

	<b>MONDAY</b> September 10 Day 3	<b>TUESDAY</b> September 11 Day 4	<b>WEDNESDAY</b> September 12 Day 5	<b>THURSDAY</b> September 13 Day 6	<b>FRIDAY</b> September 14 Day 1
<b>M O L E B I O</b>	Making Solutions Practice;	Making Dilutions; Making Solutions Practice; Pipetting Techniques	<u>Lab #1:</u> Measurements, Micropipetting, and Sterile Techniques  Solutions Practical	<u>Lab #1:</u> Measurements, Micropipetting, and Sterile Techniques  Solutions Practical	<u>Lab #1:</u> Measurements, Micropipetting, and Sterile Techniques  Solutions Practical
<b>H W</b>	Read DNA Science (pg. 321-330); Read Lab #1; Be ready for Practical	Read DNA Science (pg. 321-330); Read Lab #1; Be ready for Practical	Read DNA Science (pg. 321-330); Lab #1 due Thursday; Be ready for Practical	Read DNA Science (pg. 321-330); Lab #1 due Thursday; Be ready for Practical	Read DNA Science (pg. 321-330); Lab #1 due Thursday; Be ready for Practical

	<b>MONDAY</b> September 17 Day 2	<b>TUESDAY</b> September 18 Day 3	<b>WEDNESDAY</b> September 19	<b>THURSDAY</b> September 20 Day 4	<b>FRIDAY</b> September 21 Day 5
<b>M O L E B I O</b>	Lecture: Basics of Chemistry	Lecture: Water, Buffers, and pH		Henderson Hasselbach Equation	H-H questions  Lecture: Basics of Gel Electrophoresis (Part I)
<b>H W</b>	Khan Academy/ Bozeman Biology/ other video links	Read through "The Nature of Amino Acids" handout  Read "Gel Electrophoresis MANUAL"		Complete #1, 2, 4 on "The Nature of Amino Acids" handout;  Read "Gel Electrophoresis MANUAL"	Read in text: 113-115; 357-359; Read Lab #2

	<b>MONDAY</b> September 24 Day 6	<b>TUESDAY</b> September 25 Day 1	<b>WEDNESDAY</b> September 26 Day 2	<b>THURSDAY</b> September 27 Day 3	<b>FRIDAY</b> September 28 Day 4
<b>M O L E B I O</b>	<p><u>Lab #2:</u></p> <p>Gel Electrophoresis: Practicing Loading Gels prepping for RUN 1: using 50X TAE buffer; dilution to 1X TAE; making 0.8% agarose in 1X TAE</p>	<p><u>Lab #2:</u></p> <p>Gel Electrophoresis: Practicing Loading Gels prepping for RUN 1: finish making solutions; cast gels</p>	<p><u>Lab #2:</u></p> <p>Gel Electrophoresis RUN 1 – control</p>	<p><u>Lab #2:</u></p> <p>Gel Electrophoresis prepping for RUN 2: different [agarose] or voltage condition</p>	<p><u>Lab #2:</u></p> <p>Gel Electrophoresis RUN 2 - variation</p>
<b>H W</b>	Read Lab #2	Lab #2 due Monday; <b>EXAM #1 MONDAY</b>	Lab #2 due Monday; <b>EXAM #1 MONDAY</b>	Lab #2 due Monday; <b>EXAM #1 MONDAY</b>	Lab #2 due Monday; <b>EXAM #1 MONDAY</b>

	<b>MONDAY</b> October 1      Day 5	<b>TUESDAY</b> October 2      Day 6	<b>WEDNESDAY</b> October 3      Day 1	<b>THURSDAY</b> October 4      Day 2	<b>FRIDAY</b> October 5      Day 3
<b>M O L E B I O</b>	<b>EXAM #1</b>  GEL <b>ELECTROPHORESIS</b>  HENDERSON- HASSELBACH EQUATION  SOLUTION STUFF	Lecture: Carbon Skeletons and Amino Acids	Lecture: Protein Structure	Learning all 20 Amino Acids!	Learning all 20 Amino Acids!  Lecture: Ionization of Amino Acids; Isoelectric Point
<b>H W</b>	Read pages 48 – 53; Starting Lectures about proteins tomorrow	Read pages 48 – 53; Read SciAm: Proteins	Read pages 48-53; Read SciAm: Proteins; Read “Understanding the Nature of Amino Acids”	Read pages 48-53; Read SciAm: Proteins; Read “Understanding the Nature of Amino Acids”	Read pages 48-53; Read SciAm: Proteins; Read “Understanding the Nature of Amino Acids”

		<b>MONDAY</b> October 8	<b>TUESDAY</b> October 9      Day 4	<b>WEDNESDAY</b> October 10      Day 5	<b>THURSDAY</b> October 11      Day 6	<b>FRIDAY</b> October 12      Day 1
<b>M O L E B I O</b>	<b>NO SCHOOL</b>		<b>Lecture:</b> Ionization of Amino Acids; Isoelectric Point	<b>Lecture:</b> Ionization of Amino Acids; Isoelectric Point	<b>Lab #3:</b> Electrophoretic Separation of Proteins  myoglobin hemoglobin cytochrome c serum albumin  How to make our buffers from scratch!	(catch up day if needed)
	<b>H W</b>		Read Lab #3; Complete questions #3, 5 - 7 in "Understanding the Nature of Amino Acids"	Read Lab #3; Complete questions #3, 5 - 7 in "Understanding the Nature of Amino Acids"	Read Lab #3; <b>BE READY FOR PRACTICAL APPLICATION OF CHEMISTRY!</b>	Read protein article from Scientific American

	<b>MONDAY</b> October 15 Day 2	<b>TUESDAY</b> October 16 Day 3	<b>WEDNESDAY</b> October 17 Day 4	<b>THURSDAY</b> October 18 Day 5	<b>FRIDAY</b> October 19 Day 6
<b>M O L E B I O</b>	<p><u>Lab #3:</u> Electrophoretic Separation of Proteins</p> <p>Prepping RUN 1: preparing 5X tris-glycine stock buffer (1 per group) diluting to 1X tris-glycine running buffer @ pH 8.6 (1 per group) preparing 3.5% agarose in 1X tris-glycine running buffer</p>	<p><u>Lab #3:</u> Electrophoretic Separation of Proteins</p> <p>Prepping RUN 2: preparing 1X sodium acetate running buffer @ pH 5.5 (1 per group) preparing 3.5% agarose in 1X sodium acetate running buffer</p>	<p><u>Lab #3:</u> Electrophoretic Separation of Proteins</p> <p>cast gel for RUN 1 diluting proteins learning staining/destaining procedure</p>	<p><u>Lab #3:</u> Electrophoretic Separation of Proteins</p> <p>RUN 1: Tris-Glycine at pH 8.6 cast gel for RUN 2</p>	<p><u>Lab #3:</u> Electrophoretic Separation of Proteins</p> <p>RUN 2: Acetate at pH 5.5</p>
<b>H W</b>	Read Lab #3;	Read Lab #3;	Read Lab #3; <b>EXAM #2 MONDAY</b>	Read Lab #3; <b>EXAM #2 MONDAY</b>	Lab #3 due Monday; <b>EXAM #2 MONDAY</b>

	<b>MONDAY</b> October 22 Day 1	<b>TUESDAY</b> October 23 Day 2	<b>WEDNESDAY</b> October 24 Day 3	<b>THURSDAY</b> October 25 Day 4	<b>FRIDAY</b> October 26 Day 5
<b>M O L E B I O</b>	<b>EXAM #2</b>  AMINO ACIDS  PROTEINS  GEL ELECTROPHORESIS	<u>Lab #4:</u> Introduction to Spectro- photometry	<u>Lab #4:</u> Introduction to Spectro- photometry	Lecture: Enzymes  General Properties	Lecture: Enzymes  Factors that Affect Reaction Rates  Michaelis-Menten equation  Lineweaver-Burk
<b>H W</b>	Read Lab #4	Be ready for Lab #4!	Lab #4 due tomorrow	Read over NOTES; Read over Lab #5 (yes, I know it's long!)	Read over NOTES; Read Lab #5



	<b>MONDAY</b> October 29      Day 6	<b>TUESDAY</b> October 30      Day 1	<b>WEDNESDAY</b> October 31      Day 2	<b>THURSDAY</b> November 1      Day 3	<b>FRIDAY</b> November 2      Day 4
<b>M O L E B I O</b>	Lecture: Enzymes  Kinetics Questions	Lecture: Enzyme Regulation	<u>Lab #5:</u> Enzyme Kinetics (preview of lab)	<u>Lab #5:</u> Enzyme Kinetics establishment of standard Curve; cellobiase reaction with and without enzyme	<u>Lab #5:</u> Enzyme Kinetics effect of temperature on cellobiase reaction
<b>H W</b>	Read over NOTES; Read Lab #5	Read over NOTES; Read Lab #5	Read Lab #5; Complete Pre-Lab Questions on pages 5 and 6  Be ready to work on Monday!	Finish Activity 1 questions and graphs;	Finish Activity 2 questions and graphs;  Lab #5 due next Friday

	<b>MONDAY</b> November 5 Day 5	<b>TUESDAY</b> November 6	<b>WEDNESDAY</b> November 7 Day 6	<b>THURSDAY</b> November 8 Day 1	<b>FRIDAY</b> November 9 Day 2
<b>M O L E B I O</b>	<p><u>Lab #5:</u> Enzyme Kinetics effect of pH on cellobiase reaction</p>		<p><u>Lab #5:</u> Enzyme Kinetics effect of enzyme concentration on cellobiase reaction</p>	<p><u>Lab #5:</u> Enzyme Kinetics effect of substrate concentration on cellobiase reaction</p>	<p><b>EXAM #3</b>  <b>ALL ABOUT ENZYMES!</b></p>
<b>H W</b>	<p>Finish Activity 3 questions and graphs;  Lab #5 due next Friday</p>		<p>Finish Activity 4 questions and graphs;  Lab #5 due Friday  <b>EXAM #3 FRIDAY</b></p>	<p>Finish Activity 5 questions and graphs;  Lab #5 due Friday  <b>EXAM #3 TOMORROW</b></p>	<p>Read pg. 3 - 17; 24 - 34; 36 - 43</p>

	<b>MONDAY</b> November 12	<b>TUESDAY</b> November 13 Day 3	<b>WEDNESDAY</b> November 14 Day 4	<b>THURSDAY</b> November 15 Day 5	<b>FRIDAY</b> November 16 Day 6
<b>M O L E B I O</b>		<b>Lecture: DNA</b>  History of Discovery	<b>Lecture: DNA</b>  DNA Structure & Replication	<b>Lecture: DNA</b>  DNA Structure & Replication	<b>Lecture: DNA</b>  Amplification via PCR
<b>H W</b>		Read pg. 3 - 17; 24 - 34; 36 - 43	Read pg. 3 - 17; 24 - 34; 36 - 43	Read pg. 3 - 17; 24 - 34; 36 - 43 <b>Read 192 - 198</b>	Read pg. 3 - 17; 24 - 34; 36 - 43 <b>Read 192 - 198</b>

		<b>MONDAY</b> November 19 Day 1	<b>TUESDAY</b> November 20 Day 2	<b>WEDNESDAY</b> November 21	<b>THURSDAY</b> November 22	<b>FRIDAY</b> November 23
<b>M O L E B I O</b>		<b>Lecture:</b> <b>DNA</b>  DNA Sequencing	<b>Lecture:</b> <b>DNA</b>  Human Genome Project			
		Read pg. 3 - 17; 24 - 34; 36 - 43  Read Lab #6	Read pg. 3 - 17; 24 - 34; 36 - 43  Read Lab #6			
<b>H W</b>						

	<b>MONDAY</b> November 26 Day 3	<b>TUESDAY</b> November 27 Day 4	<b>WEDNESDAY</b> November 28 Day 5	<b>THURSDAY</b> November 29 Day 6	<b>FRIDAY</b> November 30 Day 1
<b>M O L E B I O</b>	<b>Lecture:</b> Basics of Gel Electrophoresis (Part II)	<u>Lab #6:</u> PV92 PCR Bioinformatics (protocol review)	<u>Lab #6:</u> PV92 PCR Bioinformatics Part I: cheek cell DNA template preparation	<u>Lab #6:</u> PV92 PCR Bioinformatics Part II: amplification of DNA via polymerase chain reaction (PCR)	<u>Lab #6:</u> PV92 PCR Bioinformatics Part III: gel electrophoresis of amplified PCR samples
<b>H W</b>	Read pg: 192 - 198 Read Lab #6	Be ready for Part I of Lab #6 tomorrow!	Read Lab #6 Lab #6 due Tuesday Answer Questions #1 - 3 on page 27	Read Lab #6 Lab #6 due Tuesday Answer Questions #1 - 5 on page 28	Read Lab #6 Lab #6 due Tuesday Answer Questions #1 - 4 on page 29

	<b>MONDAY</b> December 3 Day 2	<b>TUESDAY</b> December 4 Day 3	<b>WEDNESDAY</b> December 5 Day 4	<b>THURSDAY</b> December 6 Day 5	<b>FRIDAY</b> December 7 Day 6
<b>M O L E B I O</b>	<b>Lab #6:</b> PV92 PCR Bioinformatics  Part IV: analysis and interpretation of results	<b>Lecture:</b> Protein Synthesis  Defining a Gene; RNA	<b>Lecture:</b> Protein Synthesis  Transcription	<b>Lecture:</b> Protein Synthesis  Translation	<b>Lecture:</b> Protein Synthesis  Mutations
<b>H W</b>	Read pg. 53 - 58; 65 - 67  Lab #6 due tomorrow  Answer Questions #1 - 2 and finish table on page 30	Read pg. 53 - 58; 65 - 67	Read pg. 53 - 58; 65 - 67	Read pg. 53 - 58; 65 - 67  <b>EXAM #4</b> <b>MONDAY</b>	Read pg. 53 - 58; 65 - 67  <b>EXAM #4</b> <b>MONDAY</b>

	<b>MONDAY</b> December 10 Day 1	<b>TUESDAY</b> December 11 Day 2	<b>WEDNESDAY</b> December 12 Day 3	<b>THURSDAY</b> December 13 Day 4	<b>FRIDAY</b> December 14 Day 5
<b>M O L E B I O</b>	<p><b>EXAM #4</b></p> <p><b>DNA AND PROTEIN SYNTHESIS</b></p>	<p><b>Lecture:</b> Restriction Enzymes</p>	<p><u>Lab #7:</u> Restriction Enzyme Simulation</p>	<p><u>Lab #8:</u> Restriction Enzyme Simulation using NEB Cutter</p>	<p><u>Lab #9:</u> DNA Restriction Analysis</p> <p>run restriction digest</p> <p><u>prepare:</u> 10X TBE stock buffer dilute 1X running buffer 25 mL of 0.8% agarose</p>
<b>H W</b>	<p>Read pg. 107 - 115 in DNA Science</p> <p>Read through Labs #7, 8, and 9</p>	<p>Read pg. 107 - 115 in DNA Science</p> <p>Read through Labs #7, 8, and 9</p>	<p>Lab #7 due tomorrow; Read Lab #8</p>	<p>Lab #8 due tomorrow; Read Lab #9 (textbook pages 351 - 374)</p> <p>Lab #9: Do Questions 1 - 6</p>	<p>Read Lab #9 (textbook pages 351 - 374)</p> <p>Get Logger Pro!</p>

	<b>MONDAY</b> December 17 Day 6	<b>TUESDAY</b> December 18 Day 1	<b>WEDNESDAY</b> December 19 Day 2	<b>THURSDAY</b> December 20 Day 3	<b>FRIDAY</b> December 21 Day 4
<b>M O L E B I O</b>	<p><u>Lab #9:</u> DNA Restriction Analysis</p> <p>prepare gel before class load and run gel after class* visualization with SYBR stain</p>	<p><u>Lab #9:</u> DNA Restriction Analysis</p> <p>analyze results</p>	<p><u>Lab #9:</u> DNA Restriction Analysis</p> <p>re-analyze results using Logger Pro</p>	<p>(catch up day if needed)</p>	<p>(catch up day if needed)</p>
<b>H W</b>	<p>Read Lab #9 (textbook pages 351 - 374)</p> <p>Lab #9 due Thursday Do Questions 7 - 10</p>	<p>Read Lab #9 (textbook pages 351 - 374)</p> <p>Lab #9 due Thursday Do Questions 11 - 14</p>	<p>Lab #9 with Logger Pro extension due tomorrow</p>	<p>Read Lab #10 (textbook pages 375 - 384)</p>	<p>Read Lab #10 (textbook pages 375 - 384)</p>



	<b>MONDAY</b> December 24	<b>TUESDAY</b> December 25	<b>WEDNESDAY</b> December 26	<b>THURSDAY</b> December 27	<b>FRIDAY</b> December 28
<b>M O L E B I O</b>					
<b>H W</b>					

	<b>MONDAY</b> December 31	<b>TUESDAY</b> January 1	<b>WEDNESDAY</b> January 2	<b>THURSDAY</b> January 3      Day 5	<b>FRIDAY</b> January 4      Day 6
<b>M O L E B I O</b>				<p><u>Lab #10:</u> Effects of DNA Methylation on Restriction</p> <p>discuss concept of lab review protocol</p>	<p><u>Lab #10:</u> Effects of DNA Methylation on Restriction</p> <p>run methylase reaction; prepare 0.8% agarose</p>
<b>H W</b>				<p>Read Lab #10 (textbook pages 375 - 384)</p>	

		<b>MONDAY</b> January 7 Day 1	<b>TUESDAY</b> January 8 Day 2	<b>WEDNESDAY</b> January 9 Day 3	<b>THURSDAY</b> January 10 Day 4	<b>FRIDAY</b> January 11 Day 5
<b>M O L E B I O</b>		<p><b>Lab #10:</b> Effects of DNA Methylation on Restriction</p> <p>run restriction reaction</p>	<p><b>Lab #10:</b> Effects of DNA Methylation on Restriction</p> <p>cast gels in boxes; load and run gel; visualize with SYBR-stain</p>	<p><b>Lab #10:</b> Effects of DNA Methylation on Restriction</p> <p>analyze fragments; clean up stations</p> <p><b>Lecture:</b> Bacterial Genetics</p>	<p><b>Lecture:</b> Bacterial Genetics</p>	<p><b>Lecture:</b> Bacterial Genetics</p>
	<b>H W</b>	<p>Lab #10 due Thursday: Questions #1 - 6 on page 383 - 384</p>	<p>Lab #10 due Thursday: Questions #1 - 6 on page 383 - 384</p>	<p>Lab #10 due tomorrow: Questions #1 - 6 on page 383 - 384</p> <p>Read pages: 130 - 131 116 - 129 in DNA Science</p>	<p>Read pages: 130 - 131 116 - 129 in DNA Science</p>	<p>Read pages: 130 - 131 116 - 129 in DNA Science</p>

	<b>MONDAY</b> January 14 Day 6	<b>TUESDAY</b> January 15 Day 1	<b>WEDNESDAY</b> January 16 Day 2	<b>THURSDAY</b> January 17 Day 3	<b>FRIDAY</b> January 18 Day 4
<b>M O L E B I O</b>	<p><b>Lab #11: Engineering a Plasmid</b></p>	<p><b>Plasmid Mapping</b> Activity 1</p>	<p><b>Prepping for Bacterial Culture Techniques Labs</b> using an autoclave preparing LB plates preparing LB/amp plates</p>	<p><b>Prepping for Bacterial Culture Techniques Labs</b> using an autoclave preparing group bottles of LB broth setting up the group stations reviewing the tools of microbiology</p>	<p><b>Plasmid Mapping</b> Activity 2</p>
<b>H W</b>	<p>Lab #11 due tomorrow</p>	<p>Plasmid Mapping Activity 1 due Friday; Read Labs #12 - 14; Read pages 116-119, 331-350</p>	<p>Plasmid Mapping Activity 1 due Friday; Read Labs #12 - 14; Read pages 116-119, 331-350</p>	<p>Plasmid Mapping Activity 1 due tomorrow; Read Labs #12 - 14; Read pages 116-119, 331-350</p>	<p>Plasmid Mapping Activity 2 due Monday 2/28; Read Labs #12 - 14; Read pages 116-119, 331-350</p>

	<b>MONDAY</b> January 21	<b>TUESDAY</b> January 23	<b>WEDNESDAY</b> January 24	<b>THURSDAY</b> January 25	<b>FRIDAY</b> January 26
<b>M O L E B I O</b>	<b>REGENTS WEEK – NO CLASSES</b>				
<b>H W</b>					

	<b>MONDAY</b> January 28 Day 1	<b>TUESDAY</b> January 29 Day 2	<b>WEDNESDAY</b> January 30 Day 3	<b>THURSDAY</b> January 31 Day 4	<b>FRIDAY</b> February 1 Day 5
<b>M O L E B I O</b>	<p>Prepping for Bacterial Culture Techniques Labs</p> <p>relearning serial dilutions</p> <p>reviewing the lab protocols</p>	<p><u>Lab #12:</u></p> <p>Bacterial Culture Techniques</p> <p>isolation of individual <i>E. coli</i> MM294 colonies</p> <p>understanding antibiotic resistance</p>	<p><u>Lab #12 - 13:</u></p> <p>Bacterial Culture Techniques</p> <p>observing effects of antibiotic resistance</p> <p>preparation of an overnight suspension culture</p>	<p><u>Lab #13 - 14:</u></p> <p>Bacterial Culture Techniques</p> <p>determining the number of individual cells in an overnight culture</p> <p>serial dilutions in practice</p>	<p><u>Lab #14:</u></p> <p>Bacterial Culture Techniques</p> <p>calculation of cells in suspension</p>
<b>H W</b>	<p>Read Labs #12 - 14;</p> <p>Read pages: 116-119, 331-350</p>	<p>Read Labs #12 - 14;</p> <p>Read pages: 116-119, 331-350</p>	<p>Lab #12 due tomorrow;</p> <p>Read Lab #13 - 14</p>	<p>Lab #13 due tomorrow;</p> <p>Read Lab # 14</p>	<p>Lab #14 due Modnay;</p> <p>Read Lab #15</p>

	<b>MONDAY</b> February 4      Day 6	<b>TUESDAY</b> February 5      Day 1	<b>WEDNESDAY</b> February 6      Day 2	<b>THURSDAY</b> February 7      Day 3	<b>FRIDAY</b> February 8      Day 4
<b>M O L E B I O</b>	<p><b>Lab #15:</b></p> <p><b>Bacterial Culture Techniques</b></p> <p>(media making day) reviewing the Part A and Part B protocols; setting up the schedules for sample readings</p>	<p><b>Lab #15:</b></p> <p><b>Bacterial Culture Techniques</b></p> <p><u>Part A</u> - determination of <i>E. coli</i> growth pattern via spectrophotometry</p>	<p><b>Lab #15:</b></p> <p><b>Bacterial Culture Techniques</b></p> <p>analysis of Part A setting up the schedules for sample readings preparation of tubes and plates for Tuesday</p>	<p><b>Lab #15:</b></p> <p><b>Bacterial Culture Techniques</b></p> <p><u>Part B</u> - determination of <i>E. coli</i> cell count via spectrophotometry and serial dilutions</p>	<p><b>Lab #15:</b></p> <p><b>Bacterial Culture Techniques</b></p> <p>analysis of part B</p>
<b>H W</b>	Be ready for Lab #15 Part A tomorrow;	Be ready for Lab #15 analysis	Be ready for Lab #15 Part B tomorrow	Be ready for Lab #15 Part B tomorrow	Lab #15 due Monday; Read pages: 122 - 125 385 - 398 (DNA Science Lab #5*)

	<b>MONDAY</b> February 11 Day 5	<b>TUESDAY</b> February 12 Day 6	<b>WEDNESDAY</b> February 13 Day 1	<b>THURSDAY</b> February 14 Day 2	<b>FRIDAY</b> February 15 Day 3
<b>M O L E B I O</b>	<p>Prepping for Bacterial Culture Techniques Labs</p> <p>wrap up Media Week</p> <p>Eyes of Nye: Antibiotics</p>	<p>Making Media</p> <p>LB plates LB/amp plates</p> <p>discuss theory of bacterial transformation</p>	<p>Making Media</p> <p>LB plates LB/amp plates</p> <p>review transformation procedure</p>	<b>RESISTANCE</b>	<b>RESISTANCE</b>
<b>H W</b>	<p>Read "Origins and Evolution of Antibiotic Resistance" Journal Article</p>	<p>Read pages: 385 - 398 (DNA Science Lab #5*)</p> <p>Read "Transformations" handout</p>	<p>Read pages: 385 - 398 (DNA Science Lab #5*)</p> <p>Read "Transformations" handout</p>		



	<b>MONDAY</b> February 18	<b>TUESDAY</b> February 19	<b>WEDNESDAY</b> February 20	<b>THURSDAY</b> February 21	<b>FRIDAY</b> February 22
<b>M O L E B I O</b>					
<b>H W</b>					

	<b>MONDAY</b> February 25 Day 4	<b>TUESDAY</b> February 26 Day 5	<b>WEDNESDAY</b> February 27 Day 6	<b>THURSDAY</b> February 28 Day 1	<b>FRIDAY</b> March 1 Day 2
<b>M O L E B I O</b>	<p><b>Lab #16:</b> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>streaking starter plates mechanisms of transformation</p>	<p><b>Lab #16:</b> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>transformation using pAMP</p>	<p><b>Lab #16:</b> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>analysis of results using pAMP</p> <p>streaking starter plates</p> <p>[pGREEN] protocol</p>	<p><b>Lab #16:</b> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>transformation with pGREEN using different heat shock times</p>	<p><b>Lab #16:</b> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>analysis of results using pGREEN and different heat shock times</p> <p>streaking starter plates</p> <p><b>Bonnie Bassler Video 1</b></p>
<b>H W</b>	<p>Read pages: 385 - 398 (DNA Science Lab #5*)</p>	<p>Read pages: 385 - 398 (DNA Science Lab #5*)</p>	<p>Answer questions #1 - 4 on pages 395 - 396</p>	<p>Answer questions #5 - 6 on pages 395 - 396</p>	<p>Read pVIB handout;</p>

	<b>MONDAY</b> March 4 Day 3	<b>TUESDAY</b> March 5 Day 4	<b>WEDNESDAY</b> March 6 Day 5	<b>THURSDAY</b> March 7 Day 6	<b>FRIDAY</b> March 8 Day 1
<b>M O L E B I O</b>	<p><u>Lab #16:</u> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>transformation using pVIB</p>	<p><u>Lab #16:</u> Rapid Colony Transformation of <i>E. coli</i> with Plasmid DNA</p> <p>analysis of results using pVIB</p> <p><b>Bonnie Bassler TED Talk</b></p>	<p>Making Media</p> <p>make media for Labs #17 - 19</p> <p>Exam 'Review'</p>	<p>Making Media</p> <p>make media for Labs #17 - 19</p> <p>Exam 'Review'</p>	<p><b>EXAM #5</b> <b>DNA RESTRICTION ANALYSIS &amp; BACTERIAL TRANSFORMATION</b></p> <p>make media for Labs #17 - 19</p>
<b>H W</b>	<p>pVIB handout due;</p> <p><b>EXAM #5 FRIDAY</b></p>	<p><b>EXAM #5 FRIDAY</b></p>	<p><b>EXAM #5 FRIDAY</b></p>	<p><b>EXAM #5 TOMORROW</b></p>	<p>Read pages: 399 - top of 407 (DNA Science Lab #6*)</p>

	<b>MONDAY</b> March 11 Day 2	<b>TUESDAY</b> March 12 Day 3	<b>WEDNESDAY</b> March 13 Day 4	<b>THURSDAY</b> March 14 Day 5	<b>FRIDAY</b> March 15 Day 6
<b>M O L E B I O</b>	<p><u>Lab #17:</u> Assay for an Antibiotic Resistance Enzyme</p> <p>streak starters protocol review</p>	<p><u>Lab #17:</u> Assay for an Antibiotic Resistance Enzyme</p> <p>transformation of MM294 with pAMP review lab protocol during incubation</p>	<p><u>Lab #17:</u> Assay for an Antibiotic Resistance Enzyme</p> <p>preparation of an overnight suspension culture of transformed <i>E.coli</i>+pAMP review tomorrow's protocol</p>	<p><u>Lab #17:</u> Assay for an Antibiotic Resistance Enzyme</p> <p>preparation of control and pAMP 'sup' via centrifugation review tomorrow's protocol</p>	<p><u>Lab #17:</u> Assay for an Antibiotic Resistance Enzyme</p> <p>assay of <math>\beta</math>-lactamase via spectrophotometry</p>
<b>H W</b>	<p>Read pages: 399 - top of 407 (DNA Science Lab #6*)</p>	<p>Read pages: 399 - top of 407 (DNA Science Lab #6*)</p>	<p>Read pages: 399 - top of 407 (DNA Science Lab #6*)</p>	<p>Read pages: 399 - top of 407 (DNA Science Lab #6*)</p>	<p>Answer questions #1 - 6 on pages 406 - 407</p> <p>Read pages: 411 - 422 (DNA Science Lab #7*)</p>

	<b>MONDAY</b> March 18 Day 1	<b>TUESDAY</b> March 19 Day 2	<b>WEDNESDAY</b> March 20 Day 3	<b>THURSDAY</b> March 21 Day 4	<b>FRIDAY</b> March 22
<b>M O L E B I O</b>	<p><u>Lab #18:</u> Purification and Identification of Recombinant GFP</p> <p>streak starter plates review entire protocol</p>	<p><u>Lab #18:</u> Purification and Identification of Recombinant GFP</p> <p>transformation of MM294 with pGREEN review lab concept during incubation</p>	<p><u>Lab #18:</u> Purification and Identification of Recombinant GFP</p> <p>preparation of an overnight suspension culture of transformed <i>E.coli</i>+pGREEN review tomorrow's protocol</p>	<p><u>Lab #18:</u> Purification and Identification of Recombinant GFP</p> <p>lysozyme used to lysate cells to release proteins</p>	<p><b>Dr. Tsien Lecture on GFP</b></p>
<b>H W</b>	<p>Read pages: 411 - 422 (DNA Science Lab #7)</p> <p>Review pages: 385 - 398 (DNA Science Lab #5*)</p>	<p>Read pages: 411 - 422 (DNA Science Lab #7)</p> <p>Review pages: 340 - 343 (DNA Science Lab #2B*)</p>	<p>Review Procedure on pages 414 - 416</p>	<p>Review Procedure on pages 414 - 416</p>	

	<b>MONDAY</b> March 25 Day 5	<b>TUESDAY</b> March 26 Day 6	<b>WEDNESDAY</b> March 27 Day 1	<b>THURSDAY</b> March 28 Day 2	<b>FRIDAY</b> March 29 Day 3
<b>M O L E B I O</b>	<p><b>Lab #18:</b></p> <p>Purification and Identification of Recombinant GFP</p> <p>purification of GFP by HIC (Hydrophobic Interaction Chromatography)</p>	<p><b>Lab #18:</b></p> <p>Purification and Identification of Recombinant GFP</p> <p>PAGE analysis of purified GFP stain/destain with Coomassie Blue</p> <p>streak starter plates for tomorrow</p>	<p><b>Lab #19:</b></p> <p>Purification and Identification of Plasmid DNA</p> <p>rapid colony transformation of <i>E.coli</i> with pAMP</p> <p>discuss concept of a miniprep during incubation</p>	<p><b>Lab #19:</b></p> <p>Purification and Identification of Plasmid DNA</p> <p>calculating transformation efficiency</p> <p>preparation of an overnight suspension culture of our <i>E.coli</i> MM294/pAMP transformants</p>	<p><b>Lab #19:</b></p> <p>Purification and Identification of Plasmid DNA</p> <p>preparation of duplicate minipreps (PART I)</p>
<b>H W</b>	Review Procedure on pages 419 - 420	<p>Answer questions 1 - 4 on page 416</p> <p>Read pages: 125 - 127 423 - 441 (DNA Science Lab #8*)</p>	Review page: 423 - 441 (342)	Review pages: 423 - 441 (427 - 428)	Review pages: 423 - 441 (428 - 429)

		<b>MONDAY</b> April 1 Day 4	<b>TUESDAY</b> April 2 Day 5	<b>WEDNESDAY</b> April 3 Day 6	<b>THURSDAY</b> April 4 Day 1	<b>FRIDAY</b> April 5 Day 2
<b>M O L E B I O</b>		<p><b>Lab #19:</b></p> <p><b>Purification and Identification of Plasmid DNA</b></p> <p>preparation of duplicate minipreps (PART II)</p>	<p><b>Lab #19:</b></p> <p><b>Purification and Identification of Plasmid DNA</b></p> <p>set up and run restriction digest of purified pAMP with <i>Bam</i>HI/ <i>Hind</i>III</p> <p>prepare 1X TBE buffer prepare 0.8% agarose</p>	<p><b>Lab #19:</b></p> <p><b>Purification and Identification of Plasmid DNA</b></p> <p>separate DNA fragments by electrophoresis</p> <p>analyze results!</p>	<p><b>Labs #20 – 23:</b></p> <p><b>Discussion of the next Lab Stream</b></p> <ul style="list-style-type: none"> <li>• Ligation</li> <li>• Transformation</li> <li>• Replica Plating</li> <li>• Miniprep</li> </ul>	<p><b>Making Media</b></p> <p>LB plates; LB/amp plates; LB/kan plates; LB/amp/kan plates</p> <p>LB broth ; LB/amp broth toothpicks; Q-tips</p> <p>GTE (glucose/tris/EDTA); TE (tris/EDTA); SDS/NaOH; KOAc; isopropanol; ethanol</p>
	<b>H W</b>	<p>Review pages: 423 – 441 <b>(431 – 435)</b></p> <p>Answer questions 1 – 3 on page 430</p>	<p>Review pages: 423 – 441 <b>(435 – 436)</b></p>	<p>Review pages: 437 – 439</p> <p>Answer questions 1 – 3a, b, c on page 439 (use Logger Pro for #1)</p>	<p>Read pages: 443 – 455</p>	<p>Review pages: 443 – 455 <b>(447 – 448)</b> (DNA Science Lab #9*)</p>

	<b>MONDAY</b> April 8 Day 3	<b>TUESDAY</b> April 9 Day 4	<b>WEDNESDAY</b> April 10 Day 5	<b>THURSDAY</b> April 11 Day 6	<b>FRIDAY</b> April 12 Day 1
<b>M O L E B I O</b>	<p><b>Lab #20:</b></p> <p>Recombination of Antibiotic Resistance Genes</p> <p>restriction digest of the plasmids pAMP and pKAN</p> <p>prepare 0.8% agarose</p>	<p><b>Lab #20:</b></p> <p>Recombination of Antibiotic Resistance Genes</p> <p>separate digested plasmid fragments by electrophoresis ("The Prudent Control")</p>	<p><b>Lab #20:</b></p> <p>Recombination of Antibiotic Resistance Genes</p> <p>ligation of digested plasmid DNA</p> <p>prepare 0.8% agarose</p>	<p><b>Lab #20:</b></p> <p>Recombination of Antibiotic Resistance Genes</p> <p>separate ligated DNA fragments by electrophoresis</p>	<p><b>Lab #21:</b></p> <p>Transformation of <i>E. coli</i> MM294 with Recombinant DNA</p> <p>analyze ligation results</p> <p>streak starter plates of <i>E. coli</i> MM294 (at 25<sup>o</sup>)</p>
<b>H W</b>	<p>Review pages: 443 - 455 <b>(448 - 451)</b> (DNA Science Lab #9*)</p>	<p>Review pages: 443 - 455 <b>(453 - 454)</b></p>	<p>Review pages: 443 - 455 <b>(454*)</b></p> <p>Read pages: 457 - 470 (DNA Science Lab #10*)</p>	<p>Answer questions 1 - 3, 5 - 7 on page 455</p> <p>Read pages: 457 - 470 (DNA Science Lab #10*)</p>	<p>Review pages: 457 - 470 <b>(340 - 342)</b></p>



	<b>MONDAY</b> April 15 Day 2	<b>TUESDAY</b> April 16 Day 3	<b>WEDNESDAY</b> April 17 Day 4	<b>THURSDAY</b> April 18 Day 5	<b>FRIDAY</b> April 19
<b>M O L E B I O</b>	<p><b>Lab #21:</b> Transformation of <i>E. coli</i> MM294 with Recombinant DNA</p> <p>prepare overnight culture of <i>E.coli</i> MM294</p>	<p><b>Lab #21:</b> Transformation of <i>E. coli</i> MM294 with Recombinant DNA</p> <p>preparation of a 250 mL mid-log suspension culture (pg. 347-348) preparation of competent cells (pg. 460-462)</p>	<p><b>Lab #21:</b> Transformation of <i>E. coli</i> MM294 with Recombinant DNA</p> <p>perform <i>E. coli</i> transformation with recombinant DNA</p>	<p><b>Lab #21:</b> Transformation of <i>E. coli</i> MM294 with Recombinant DNA</p> <p>analysis of transformation</p> <p>Answer Questions #1-4 on page 469-470</p>	
<b>H W</b>	<p>Review pages: 457 - 470 (347 - 348) (460 - 462)</p>	<p>Review pages: 457 - 470 (463 - 468)</p>	<p>Review pages: 457 - 470 (468 - 470)</p>	<p>Complete Questions #1, 3, &amp; 4 on pg. 469 - 470</p> <p>Read pages: 473 - 477 (DNA Science Lab #11*)</p>	

	<b>MONDAY</b> April 22	<b>TUESDAY</b> April 23	<b>WEDNESDAY</b> April 24	<b>THURSDAY</b> April 25	<b>FRIDAY</b> April 26
<b>M O L E B I O</b>					
<b>H W</b>					

		<b>MONDAY</b> April 29 Day 6	<b>TUESDAY</b> April 30 Day 1	<b>WEDNESDAY</b> May 1 Day 2	<b>THURSDAY</b> May 2 Day 3	<b>FRIDAY</b> May 3 Day 4
<b>M O L E B I O</b>		<p><u>Lab #22:</u> Replica Plating to Identify Mixed <i>E.coli</i> Populations</p>	<p><u>Lab #22:</u> Replica Plating to Identify Mixed <i>E.coli</i> Populations</p> <p>analysis of replica plates start prepping the Miniprep Answer Questions #1-3 on page 477</p>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>preparation of an overnight suspension culture of our transformed <i>E.coli</i></p>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>preparation of duplicate minipreps (PART I)</p>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>preparation of duplicate minipreps (PART II)</p>
	<b>H W</b>	<p>Review pages: 473 - 477</p>	<p>Complete Questions #1 - 3 on pg. 477</p> <p>Read pages: 481 - 499 (DNA Science Lab #12*)</p> <p>Review pages: (340 - 342)</p>	<p>Review pages: 481 - 499 (484 - 485)</p>	<p>Review pages: 481 - 499 (486)</p>	<p>Review pages: 481 - 496 (487 - 490)</p>

	<b>MONDAY</b> May 6 Day 5	<b>TUESDAY</b> May 7 Day 6	<b>WEDNESDAY</b> May 8 Day 1	<b>THURSDAY</b> May 9 Day 2	<b>FRIDAY</b> May 10 Day 3
<b>M O L E B I O</b>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>set up and run restriction digest of purified ligation products with <i>Bam</i>HI / <i>Hind</i>III</p>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>separate DNA fragments by electrophoresis</p>	<p><u>Lab #23:</u> Purification and Identification of Recombinant Plasmid DNA</p> <p>recap of our 'simple recombinant'</p>	(REVIEW FOR TEST; catch up day if needed)	<p><b>EXAM #6</b> LIGATION OF, TRANSFORMATION WITH, AND PURIFICATION/ IDENTIFICATION OF RECOMBINANT DNA</p>
<b>H W</b>	<p>Review pages: 481 - 496 (490 - 491)</p>	<p>Review pages: 481 - 496</p>	<p>Based on your analysis, make scale restriction maps of your M1 and M2 plasmids. #9 on page 496</p>		
	<p>Period 6: ----- Period 8: -----</p>	<p>Period 6: ----- Period 8: -----</p>	<p>Period 6: ----- Period 8: -----</p>	<p>Period 6: ----- Period 8: -----</p>	<p>Period 6: ----- Period 8: -----</p>

	<b>MONDAY</b> May 13 Day 4	<b>TUESDAY</b> May 14 Day 5	<b>WEDNESDAY</b> May 15 Day 6	<b>THURSDAY</b> May 16 Day 1	<b>FRIDAY</b> May 17 Day 2
<b>M O L E B I O</b>	<p>Making Media</p> <p>make media for Labs #25 - end</p>	<p>Making Media</p> <p>make media for Labs #25 - end</p>	<p><u>Lab #26:</u></p> <p>Swabbing the School...</p> <p>😊</p>	<p><u>Lab #26:</u></p> <p>Swabbing the School...</p> <p>😊</p>	<p><u>Lab #25:</u></p> <p>Fluorescent <i>E. coli</i> Art Show!</p> <p>streak starter plates of <i>E. coli</i> MM294 &amp; HB101 (at 25°)</p>
<b>H W</b>			Read Lab #25	Read Lab #25	Read Lab #25
	<p>Period 6: -----</p> <p>Period 8: -----</p>	<p>Period 6: -----</p> <p>Period 8: -----</p>	<p>Period 6: -----</p> <p>Period 8: -----</p>	<p>Period 6: -----</p> <p>Period 8: -----</p>	<p>Period 6: -----</p> <p>Period 8: -----</p>

	<b>MONDAY</b> May 20 Day 3	<b>TUESDAY</b> May 21 Day 4	<b>WEDNESDAY</b> May 22 Day 5	<b>THURSDAY</b> May 23 Day 6	<b>FRIDAY</b> May 24 Day 1
<b>M O L E B I O</b>	<u>Lab #25:</u> <b>Fluorescent  <i>E. coli</i>            Art Show!</b> transformation of <i>E. coli</i> MM294 with 'fluorescent' plasmids	<u>Lab #25:</u> <b>Fluorescent  <i>E. coli</i>            Art Show!</b> preparation of fluorescent lawns	<u>Lab #25:</u> <b>Fluorescent  <i>E. coli</i>            Art Show!</b> painting with bacteria	<u>Lab #25:</u> <b>Fluorescent  <i>E. coli</i>            Art Show!</b>	
<b>H W</b>	Read Lab #25	Answer Lab #25 Questions			

	<b>MONDAY</b> May 27	<b>TUESDAY</b> May 28      Day 2	<b>WEDNESDAY</b> May 29      Day 3	<b>THURSDAY</b> May 30      Day 4	<b>FRIDAY</b> May 31      Day 4
<b>M O L E B I O</b>					
<b>H W</b>					

	<b>MONDAY</b> June 3	<b>TUESDAY</b> June 4      Day 5	<b>WEDNESDAY</b> June 5      Day 6	<b>THURSDAY</b> June 6      Day 1	<b>FRIDAY</b> June 7      Day 2
<b>M O L E B I O</b>	<b>REGENTS EXAM</b>				
<b>H W</b>					



	<b>MONDAY</b> June 10      Day 3	<b>TUESDAY</b> June 11      Day 6	<b>WEDNESDAY</b> June 12      Day 1	<b>THURSDAY</b> June 13      Day 2	<b>FRIDAY</b> June 14      Day 3
<b>M O L E B I O</b>	<b>SENIOR DAY OF OPTIONAL ATTENDANCE DUE TO A CRITICAL MASS OF APATHY</b>				<b>SENIOR PICNIC</b>
<b>H W</b>					



<b>M O L E B I O</b>		<p><b><u>Lab #24:</u></b>  <b>Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</b></p> <p>Making Media:          LB plates          LB/amp/X-gal plates          CaCl<sub>2</sub></p>	<p><b><u>Lab #24:</u></b>  <b>Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</b></p> <p>restriction digest of the plasmid pBLU and <math>\lambda</math> DNA with <i>Bam</i>HI and <i>Hind</i>III;          predict fragments of pBLU and <math>\lambda</math> DNA          prepare 0.8% agarose</p>	<p><b><u>Lab #24:</u></b>  <b>Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</b></p> <p>separate digested plasmid fragments by electrophoresis ("The Prudent Control")</p>	<p><b><u>Lab #24:</u></b>  <b>Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</b></p> <p>ligation of digested plasmid DNA          prepare 0.8% agarose</p>
	<b>H W</b>		<p>Review pages:  <b>(447 - 448)</b></p>	<p>Review pages:  <b>(448 - 450)</b></p>	<p>Review pages:  <b>(454)</b></p>

<b>M O L E B I O</b>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>separate ligated DNA fragments by electrophoresis</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>reviewing classic protocol for preparing competent cells</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>streak starter plates of <i>E.coli</i> MM294</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>prepare overnight culture of <i>E.coli</i> MM294</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>preparation of a 250 mL mid-log suspension culture (pg. 347-348)</p> <p>preparation of competent cells (pg. 460-462)</p>
<b>H W</b>	<p>Review pages: (336 - 338)</p>	<p>Review pages: (336 - 338)</p>	<p>Review pages: (342)</p>	<p>Review pages: (347 - 348) (460 - 462)</p>	<p>Review pages: (463 - 468)</p>

<b>M O L E B I O</b>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>perform <i>E. coli</i> transformation with recombinant DNA</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>analysis of transformation selection of colonies for miniprep and re-streak on new LB/amp/X-gal plates</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>preparation of duplicate minipreps (PART I)</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>preparation of duplicate minipreps (PART II)</p>	<p><b>Lab #24:</b> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>set up and run restriction digest of purified plasmid DNA with <i>Bam</i>HI / <i>Hind</i>III</p> <p>prepare 0.8% agarose</p>
	<b>H W</b>	<p>Review pages: (468 - 470) (336 - 338)</p>	<p>Review pages: (464 - 485)</p>	<p>Review pages: (486)</p>	<p>Review pages: (487 - 490)</p>
	<p>Period 1: -----</p> <p>Period 6: -----</p>	<p>Period 1: -----</p> <p>Period 6: -----</p>	<p>Period 1: -----</p> <p>Period 6: -----</p>	<p>Period 1: -----</p> <p>Period 6: -----</p>	<p>Period 1: -----</p> <p>Period 6: Devin</p>

	<b>MONDAY</b> May 21 Day 3	<b>TUESDAY</b> May 22 Day 4	<b>WEDNESDAY</b> May 23 Day 5	<b>THURSDAY</b> May 24 Day 6	<b>FRIDAY</b> May 25 Day X
<b>M O L E B I O</b>	<p><u>Lab #24:</u> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>separate purified plasmid DNA fragments by electrophoresis</p>	<p><u>Lab #24:</u> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>analyze fragments</p> <p>catalog library!</p>	<p><u>Lab #24:</u> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>(CATCH UP DAY!)</p>	<p><u>Lab #24:</u> Creating a Library of Bacteriophage <math>\lambda</math> and pBLU</p> <p>(CATCH UP DAY!)</p>	<p><b>Making Media</b></p> <p>lots of LB/amp plates &amp; nutrient agar plates</p> <p>streak starters for transformation of <i>E. coli</i> MM294 with PM1/PM2</p>
<b>H W</b>					Read Lab #25



