

Biology I Syllabus- ACTS Co-op

NOTE: Read class handouts and lab on p. 30-32 prior to first class.

Class 1 ***BRING TEXTBOOK EACH WEEK**
On-site Field Study: Life vs. Non-Life
Lab 1.2 Introduction to the Microscope (p. 30-32)

Homework: ___W Read p. 1-8; do terms and OYO 1.1-1.3.
 ___TH Read p. 8-16; do terms and OYO 1.4-1.5.
 ___F Read p. 16-20; do terms and OYO 1.6-1.10.
 Find pictures from magazines or internet of several
 members of each of the 5 Kingdoms of Life.
 ___M Read p. 20-30; do terms.

Class 2 ***BRING 5 KINGDOM PICTURES**
Make 5 Kingdoms Poster
Lab 1.1 Using a Biological Key (p. 26-29)
Classification and Binomial Nomenclature Examples

Homework: ___W Explain the 5 Kingdoms poster to your family.
 Do study guide #1
 ___TH Do test #1
 ___F Read p. 37-41; do terms and OYO 2.1-2.3.
 ___M Read p. 41-44; do terms and OYO 2.4-2.5.

Class 3 ***BRING MODULE #1 WORK (test, study guide, OYO and labs)**
Lab 2.1 Macroscopic Pond Life A (p. 52)
(Choose a bacteria to research for next week's oral report)

Homework: ___W Begin Yogurt culture growth experiment per instructions.
 Record procedure.
 Read p. 44-49; do terms and OYO 2.6-2.8.
 ___TH Write lab summary for yogurt culture experiment. Read p.
 49-52; do terms and OYO 2.9.
 ___F Research assigned pathogenic bacteria and
 prepare a 3-5 minute oral report (use notecards).
 Read p. 53-56; do terms and OYO 2.10-2.14.
 ___M Read p. 56-62; do terms.

Class 4 ***BRING BACTERIA REPORT NOTECARDS**
Lab 2.2 Microscopic Pond Life B (p. 60-62)
Present Bacteria Oral Reports
Discuss Yogurt experiment

Homework: ___W Do study guide #2
 ___TH Do test #2
 ___F Read p. 67-71; do OYO 3.1.
 ___M Read p. 72-73; do terms and OYO 3.2-3.3.

Class 5	*BRING MODULE #2 WORK Lab 3.1 Pond Life C (p. 67)	
Homework:	___W	Read p. 74-78; do terms and OYO 3.4-3.6.
	___TH	Read p. 78-80; do terms and OYO 3.7-3.8.
	___F	Do 4 "Who Am I?" index cards for Subkingdom Protozoa. Put the organism's name and sketch or photo on the front. Put several descriptive clues on back (i.e. I am... I live... Who am I?).
	___M	Read p. 80-85; do terms and OYO 3.9-3.10. Do 4 "Who Am I?" cards for Subkingdom Algae. Read p. 85b-92; do terms and 3.11-3.16.
Class 6	*BRING "WHO AM I?" CARDS Lab 3.2 Subkingdom Protozoa (p. 82-83) Lab 3.3 Subkingdom Algae (p. 91-92) Play Protist Card Game	
Homework:	___W	Do study guide #3.
	___TH	Do test #3 Kingdom Protista.
	___F	Begin growing mold per instructions p. 97. Read p. 97-102; do terms and OYO 4.1-4.5.
	___M	Read 102-108; do terms and OYO 4.6-4.8. Collect samples for Fungi Lab (4.1 #1 #2) p. 107-108
Class 7	BRING MODULE #3 WORK Lab 4.1 Class Basidiomycetes (p. 107-108)	
Homework:	___W	Read p. 109-112; do terms and OYO 4.9-4.10.
	___TH	Read p. 112-114; do terms and OYO 4.11-4.12.
	___F	Read p. 115-117; do terms and OYO 4.13-4.14.
	___M	Read p. 117-120; do terms and OYO 4.15-4.17.
Class 8	*BRING MOLD SAMPLES Lab 4.2 Yeast and the Fermentation Process (p. 110-111) Lab 4.3 Molds/Mildews (p. 114) Lab 4.4 Imperfect Fungi (p. 116-117)	
Homework:	___W	Do study guide #4.
	___TH	Do test #4 Kingdom Fungi.
	___F	Get supplies for lab 5.1 p. 134. Read p. 125-129; do terms and OYO 5.1-5.5.
	___M	Read p. 130-138; do terms and OYO 5.6-5.10. Do Lab 5.1 p. 134 and write summary.
Class 9	*BRING MODULE #4 WORK Lab 5.1 Discussion Lab 5.2 (modified) Make Atom/Molecule Models Physical Change Demonstrations	

___W Read p. 322-324; do terms and OYO 10.13.
___TH Do Study Guide #10
___F Do Test #10
___M Read p. 329-335; do terms and OYO 11.1-11.4.

Class 20 *BRING MODULE #10 WORK
Lab 11.1 Sponge Observation
Lab 11.2 Hydra Observation
Lab 11.3 Observation of Planaria

___W Read p. 335-342; do terms and OYO 11.5-11.8.
___Th Read p. 342-347; do terms and OYO 11.9-11.12.
___F Read p. 348-352; do terms and OYO 11.13-11.14.
___M Read p. 352-356; do terms and OYO 11.15-11.16.

Class 21 Earthworm Dissection (p. 347-350)

Homework: ___W Do study guide #11
___Th Do test #11
___F Read p. 361-364; do terms OYO 12.1-12.5.
___M Read p. 365-372; do terms and OYO 12.6-12.9.

Class 22 *BRING MODULE #11 WORK
Crayfish Dissection (p. 373)

Homework: ___W Read p. 376-379; do terms and OYO 12.10-12.11..
___Th Read p. 380-385; do terms and OYO 12.12-12.15.
___F Read p. 385-388. Do an insect collection of at least 10 pictures or live/dead specimens of insects.
___M Do study guide #12.

Class 23 Grasshopper Dissection
*BRING INSECT SPECIMENS OR PICTURES
Lab 12.2 Insect Classification (p.389)
Life Cycles of various insects

Homework: ___W Do test #12
___TH Read p. 393-396; do terms and OYO 13.1-13.3.
___F Read p. 396-402; do terms and OYO 13.4-13.11.
___M Read p. 396-402; do terms and OYO 13.4-13.11.

Class 24 Bring Module #12 work
Perch Dissection (p. 416-419)

Homework: ___W Read p. 404-408; do terms and OYO 13.15-13.18
___TH Read p. 409-413
___F Read p. 414-416; do terms and 13.19-13.21.
___M Read p. 419-422; Do terms and 13.22-13.24.

Class 25 *BRING MODULE #12 WORK
Frog Dissection (p. 422)

Homework: ___W Do study guide #13.
___TH Do test #13 **Skip to Module #16**
___F Read p. 495-499; do terms and OYO 16.1-16.5.
___M Read p. 499-504; do terms and OYO 16.6-16.11.

Class 32 ***BRING FRUIT and SEED GERMINATION PROJECT**
Lab 15.2 Fruits (p. 487)
Seed Dissection
Discuss Seed Projects

Homework: ___W Do study guide #15.
 ___TH Do test #15 Plant Physiology/Reproduction.
 ___F Review modules 1-8.
 ___M Review modules 9-16.

Class 33 ***BRING MODULE #15 WORK** S.A.S.E. for final grade to be sent to you!
Final Exam Modules 1-16