

APPENDIX B

Daily Assignments

If your school year consists of 180 days, you can use this list of daily assignments to complete the course in one school year.

Week 1:

- Read the introduction and check out the course website
- Read pp. 1-6
- Read pp. 7-9, performing Experiment 1.1 and stopping at Section 1.2
- Read pp. 9-14, stopping at Section 1.4
- Read pp. 14-19, stopping at Section 1.6

Week 2:

- Read pp. 19-22, performing Experiment 1.2 and stopping at Section 1.7
- Read pp. 22-25 and answer questions 1-5 in the Chapter 1 Review
- Answer questions 6-21 in the Chapter 1 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 1

Week 3:

- Read pp. 29-34
- Read pp. 35-37, performing Experiment 2.1 and stopping at Section 2.3
- Read pp. 37-40, performing Experiment 2.2 and stopping at the end of the experiment
- Read pp. 40-44
- Read pp. 45-48, performing Experiment 2.2 and stopping at the end of the experiment

Week 4:

- Read pp. 48-53, stopping after Figure 2.21 is explained
- Read pp. 53-57
- Answer questions in the Chapter 2 Review (You have two days to do this.)
- Finish answering questions in the Chapter 2 Review
- Check your answers for the review and study for the test

Week 5:

- Take the test for Chapter 2
- Read pp. 61-65
- Read pp. 66-68, performing Experiment 3.1 and stopping at Section 3.4
- Read pp. 68-72, stopping after the Comprehension Check questions
- Read pp. 72-74, performing Experiment 3.2 and stopping at Experiment 3.3

Week 6:

- Read pp. 74-76, performing Experiment 3.3 and stopping at Section 3.6
- Read pp. 76-80, stopping at Section 3.8
- Read pp. 80-84
- Read pp. 85-89
- Answer questions in the Chapter 3 Review (You have two days to do this.)

Week 7:

- Finish answering questions in the Chapter 3 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 3
- Read pp. 95-99, stopping at Section 4.3
- Read pp. 99-101, performing Experiment 4.1 and stopping at Section 4.4

Week 8:

- Read pp. 101-105, stopping at Metaphase
- Read pp. 105-109, stopping after the Comprehension Check questions
- Perform Experiment 4.2 and read until Meiosis I on p. 111
- Read pp. 111-116, stopping at Section 4.7
- Read pp. 116-120, stopping at Section 4.8

Week 9:

- Read pp. 120-122 and spend some time reviewing the chapter
- Answer questions in the Chapter 4 Review (You have two days to do this.)
- Finish answering questions in the Chapter 4 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 4

Week 10:

- Read pp. 127-131, stopping after the Comprehension Check questions
- Read pp. 131-133, performing Experiment 5.1 and stopping at the end of the experiment
- Read pp. 133-137, stopping at the beginning of the last paragraph on the page (“To determine...”)
- Read pp. 137-140, performing as much of Experiment 5.2 as you can (It will probably take a few days to collect all the data, since you need to visit some relatives to finish collecting the data.)
- Read pp. 140-145, stopping at Section 5.5

Week 11:

- Read pp. 145-149, stopping at Mutations in a Group of Nucleotides
- Read pp. 149-153, stopping after the Comprehension Check questions
- Read pp. 154-155 and spend some time reviewing the chapter (This is a good time to do the analysis of Experiment 5.2 if you have collected all your data and have not done it already.)
- Answer questions in the Chapter 5 Review (You have two days to do this.)
- Finish answering questions in the Chapter 5 Review

Week 12:

- Check your answers for the review and study for the test
- Take the test for Chapter 5
- Read pp. 161-164
- Read pp. 165-169, stopping at Restriction fragment length polymorphism (RFLP)
- Read pp. 169-172

Week 13:

- Read pp. 173-176, performing Experiment 6.1 and stopping at the end of the experiment.
- Read pp. 176-181
- Read pp. 182-186, stopping at Section 6.11
- Read pp. 186-187 and spend some time reviewing the chapter
- Answer questions in the Chapter 6 Review (You have two days to do this.)

Week 14:

- Finish answering questions in the Chapter 6 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 6
- Read pp. 191-194
- Read pp. 195-197, performing Experiment 7.1 and stopping at Section 7.2

Week 15:

- Read pp. 197-201
- Read pp. 202-205, stopping after the Comprehension Check questions
- Perform Experiment 7.2
- Read pp. 207-211, stopping at Gram-Positive bacteria
- Read pp. 211-216, stopping at the last paragraph on the page (“What about the other...”)

Week 16:

- Read pp. 216-218 and spend some time reviewing the chapter
- Answer questions in the Chapter 7 Review (You have two days to do this.)
- Finish answering questions in the Chapter 7 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 7

Week 17:

- Read pp. 221-224, performing Experiment 8.1 and stopping after the Comprehension Check questions
- Read pp. 224-229, stopping after the Comprehension Check questions
- Read pp. 229-232, stopping at Experiment 8.2
- Perform Experiment 8.2
- Read pp. 235-240, stopping at Ascomycota (also called sac fungi)

Week 18:

- Read pp. 240-245, stopping at Experiment 8.3
- Perform Experiment 8.3
- Read pp. 246-249 and spend some time reviewing the chapter
- Answer questions in the Chapter 8 Review (You have two days to do this.)
- Finish answering questions in the Chapter 8 Review

Week 19:

- Check your answers for the review and study for the test
- Take the test for Chapter 8
- Read pp. 253-258, stopping at the third full paragraph (“If you walk along coastal...”)
- Read pp. 258-262, stopping at Experiment 9.1
- Perform Experiment 9.1 and answer the Comprehension Check questions that follow

Week 20:

- Read pp. 263-269, stopping at Section 9.7
- Read pp. 269-272, stopping at Experiment 9.2
- Perform Experiment 9.2 and answer the Comprehension Check questions that follow
- Read pp. 274-277, stopping at Experiment 9.3
- Perform Experiment 9.3 and answer the Comprehension Check questions that follow

Week 21:

- Read pp. 279-283, stopping at Section 9.10
- Read pp. 283-285 and answer questions 1-8 in the Chapter 9 Review
- Answer questions 9-25 in the Chapter 9 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 9

Week 22:

- Read pp. 289-294, stopping at Section 10.4
- Read pp. 294-298, stopping at Experiment 10.1
- Perform Experiment 10.1 and answer the Comprehension Check questions that follow
- Read pp. 300-304, stopping at Section 10.6
- Read pp. 304-308, stopping at Experiment 10.2

Week 23:

- Perform Experiment 10.2 and answer the Comprehension Check questions that follow
- Read pp. 310-316
- Answer questions in the Chapter 10 Review (You have two days to do this.)
- Finish answering questions in the Chapter 10 Review
- Check your answers for the review and study for the test

Week 24:

- Take the test for Chapter 10
- Read pp. 321-324, stopping at Experiment 11.1
- Read pp. 324-326, performing Experiment 11.1 and stopping at Order Sphenodontia: tuataras
- Read pp. 326-332, stopping at Order Testudines: turtles, tortoises, and terrapins
- Read pp. 332-337

Week 25:

- Read pp. 338-340, performing Experiment 11.2 and answering the Comprehension Check questions that follow
- Read pp. 340-346, stopping at Monotremes
- Read pp. 346-351
- Answer questions in the Chapter 11 Review (You have two days to do this.)
- Finish answering questions in the Chapter 11 Review

Week 26:

- Check your answers for the review and study for the test
- Take the test for Chapter 11
- Read pp. 355-359
- Read pp. 360-362, stopping after Experiment 12.1
- Read pp. 362-366, stopping at Experiment 12.2

Week 27:

- Perform Experiment 12.2 and answer the Comprehension Check questions that follow
- Read pp. 367-371, stopping at Section 12.6
- Read pp. 371-375, stopping at Experiment 12.3
- Read pp. 375-377, performing Experiment 12.3 and stopping at Section 12.8
- Read pp. 377-381, stopping at Section 12.11

Week 28:

- Read pp. 381-383 and answer questions 1-10 in the Chapter 12 Review
- Answer questions 11-29 in the Chapter 10 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 12
- Read pp. 387-392, stopping at Organs

Week 29:

- Read pp. 392-395, performing Experiment 13.1 and stopping at Section 13.2
- Read pp. 395-400
- Read pp. 401-403, performing Experiment 13.2 and answering the Comprehension Check questions that follow
- Read pp. 404-407, stopping at Experiment 13.3
- Perform Experiment 13.3 and answer the Comprehension Check questions that

Week 30:

- Read pp. 408-413, stopping at Seed-Making plants
- Read pp. 413-416 and answer questions 1-4 in the Chapter 13 Review
- Answer questions 5-12 in the Chapter 13 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 13

Week 31:

- Read pp. 419-422, performing Experiment 14.1 and stopping at Section 14.2
- Read pp. 422-424, performing Experiment 14.2
- Read pp. 425-429
- Read pp. 430-434, stopping at Section 14.6
- Read pp. 434-439, stopping at Section 14.8

Week 32:

- Read pp. 439-443
- Answer questions in the Chapter 14 Review (You have two days to do this.)
- Finish answering questions in the Chapter 14 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 14

Week 33:

- Read pp. 447-451, performing Experiment 15.1 and stopping at The Carbon Cycle
- Read pp. 451-458, stopping at Section 15.5
- Read pp. 458-462, stopping at Section 15.7
- Read pp. 462-464, performing Experiment 15.2 up to step 9
- Read pp. 464-466, finishing Experiment 15.2 and stopping at the last full paragraph (“If you were...”)

Week 34:

- Read pp. 466-473, stopping at Section 15.9
- Read pp. 473-475, performing experiment 15.3
- Answer questions in the Chapter 15 Review (Pay attention to the note on p. 478 highlighted in yellow!)
- Check your answers for the review and study for the test
- Take the test for Chapter 15

Week 35:

- Read pp. 479-484, stopping at Ecological Succession
- Read pp. 484-489, stopping at Section 16.4
- Read pp. 489-496, stopping at Section 16.7
- Read pp. 496-502, stopping at Experiment 16.1
- Perform Experiment 16.1

Week 36:

- Read pp. 503-508, stopping at Experiment 16.2
- Read pp. 508-509, performing Experiment 16.2. Also, answer questions 1-5 on the Chapter 16 Review
- Finish the Chapter 16 Review
- Check your answers for the review and study for the test
- Take the test for Chapter 16