

AP Biology Assignments

2006-2007

Unit 9: Structure & Function of Animals

Textbook Assignment	Written Assignment	Lab Assignment	Lab / Class Activity	Date / Hours
40 Animal Form & Function	SB2: 247, 258			
41.1 Homeostatic Mechanisms	SB2: 160, 168			
41.2 Essential Nutrients	SB2: 180-181			
41.3 Stages of Food Processing	SB2: 161-163, 169			
41.4 Mammalian Digestive Systems	SB2: 170-177			
41.5 Evolutionary Adaptations	SB2: 166-167			
	Essay 9.1			
			Class Discussion	Mar. 6
42.1 Circulatory Systems & Phylogeny	SB2: 202-205			
42.2 Mammalian Circulation	SB2: 211-217			
42.3 Blood Circulation	SB2: 206-207 (218-219 EC), 56			
42.4 Blood Composition	SB2: 208-209 (210 EC), 52			
42.5 Gas Exchange	SB2: 185-188 (189 EC) 190-191			
42.6 Breathing	SB2: 192-194			
42.7 Respiratory Pigments	SB2: 195-198 (199 EC)			
43.1 Innate Immunity	SB2: 48-49, 53-55			
43.2 Acquired Immunity	SB2: 50, 57-61			
43.3 Humoral Immunity	SB2: 62-67 (p. 63 - do #2 only)			
43.4 Distinguishing Self	SB2: 51			
43.5 Allergies & Autoimmune Disease	Essay 9.2	Lab 10 Pre-Lab Questions		
			Class Discussion	Mar. 12
			Lab 10 (Parts A & B)	Mar. 13
44.1 Osmoregulation	SB2: 261-263			
44.2 Nitrogenous Wastes	SB2: 259-260			
44.3 Excretory Systems	SB2: 264			
44.4 Nephrons & Kidneys	SB2: 265-267			
44.5-6 Vertebrate Kidneys	SB2: 268 (269 EC)			
45.1 Endocrine & Nervous Systems	SB2: 250			
45.2-3 Hormones & Cell Responses	SB2: 251-254			
45.4 Nonpituitary Hormones	SB2 255-257, 244			
46.1 Reproduction in Animals	SB2: 222-223			
46.2 Fertilization	SB2: 224-227			
	Essay 9.3			
			Class Discussion	Mar. 19
			Lab 10 (Part C)	Mar. 20

continued...

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Textbook Assignment	Written Assignment	Lab Assignment	Lab / Class Activity	Date / Hours
47 Animal Development		Write up Lab 10		
48.1 Nervous Systems	SB2: 278-279			
48.2 Ion Pumps & Resting Potential	SB2: 280			
48.3-4 Neurons	SB2: 281-283			
48.5 Vertebrate Nervous System	SB2: 273-275			
48.6-7 Cerebral Cortex & CNS	SB2: 276-277			
49.1 Sensory Receptors	SB2: 272, 284			
49.2 Mechanoreceptors	SB2: 288-289			
49.3-4 Taste, Smell, & Vision	SB2: 285-287			
49.5 Skeletons	SB2: 292-293			
49.6 Muscles	SB2: 294-297			
49.7 Locomotion	SB2: 290-291, 298-299 (300-302 EC)			
	Essay 9.4			
			Class Discussion	Mar. 26
	Test 9			Mar. 27

SB2 = *Senior Biology 2*