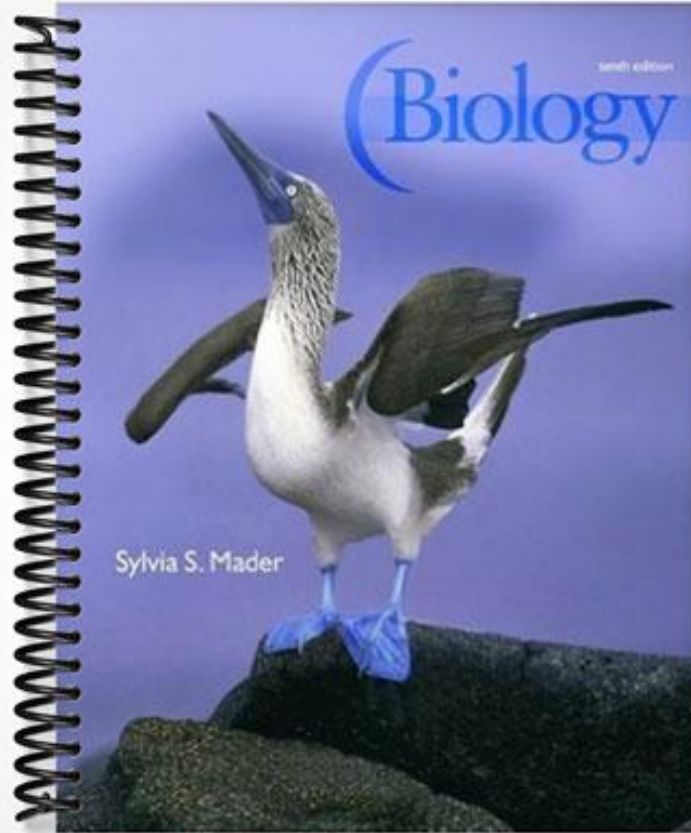


**SOLUTIONS MANUAL**



Answer Key:

Table I:

	Body Sections (1,2,3 or >3)	Walking Legs (6,8 or >8)	Other appendages (Y/N)	Antennae (0,2,4)	Claw Present (Y/N)	Jaw Present (Y/N)	Class	Common Name
Specimen 1 ( <i>Lucanus cervus</i> )	3	6	Y	Y	N	Y	<i>Insecta</i>	Stage Beetle
Specimen 2 ( <i>Mastigoproctus giganteus</i> )	2	8	Y	N	N	N	<i>Arachnida</i>	Whip Scorpion
Specimen 3 ( <i>Cancer magister</i> )	2	8	N	Y	Y	Y	<i>Crustacea</i>	Dungens s Crab
Specimen 4 ( <i>Scutigera coleoptrata</i> )	>3	>8 (1/seg)	N	Y	Y	Y	<i>Chilopoda</i>	House Centipede
Specimen 5 ( <i>Aphonopelma chalcodes</i> )	2	8	Y	N	N	N	<i>Arachnida</i>	Desert Tarantula
Specimen 6 ( <i>Mantis religiosa</i> )	3	6	Y	Y	N	Y	<i>Insecta</i>	Praying mantis
Specimen 7 ( <i>Scolopendra sp.</i> )	>3	>8 (1/seg)	N	Y	Y	Y	<i>Chilopoda</i>	Australian centipede
Specimen 8 ( <i>Orthoporus aranius</i> )	>3	>8 (2/seg)	N	Y	N	Y	<i>Diplopoda</i>	Desert Millipede
Specimen 9 ( <i>Orchestoidea californiana</i> )	2	14	Y	Y	Y	Y	<i>Crustacea</i>	Beach Hopper

Post-laboratory Questions:

1. D
2. D
3. A
4. C
5. C
6. D
7. B
8. A
9. D
10. D