

# **Supplemental Material**

*CBE—Life Sciences Education*

Menendez *et al.*

## Appendix A

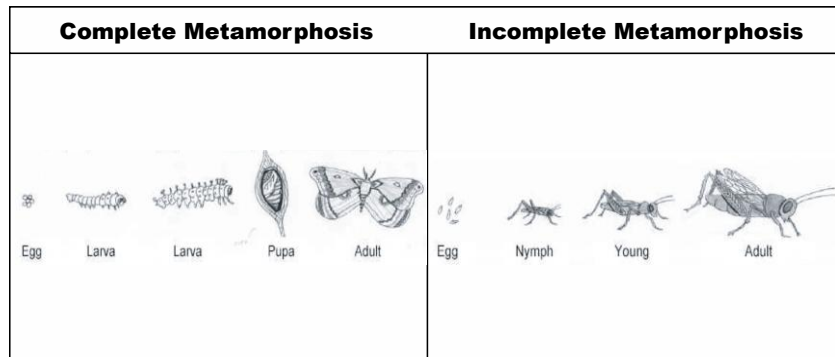
<b>Book Title</b>	<b>Year</b>	<b>Author(s)</b>	<b>Illustrator(s)</b>	<b>Book type</b>	<b>Intended Grade</b>	<b>Number of Life Cycle Diagrams</b>
A Ladybug's Life	2001	John Himmelman	John Himmelman	Trade book	K through 2nd	0
A Pill Bug's Life	2000	John Himmelman	John Himmelman	Trade book	K through 2nd	0
A Salamander's Life	1998	John Himmelman	John Himmelman	Trade book	1st through 2nd	0
Animal Life Cycles: growing and changing	2006	Bobbie Kalman	Barbara Bedell, Katherine Kantor, Bonna Rouse, Margaret Amy Salter, Tiffany Wybouw	Trade book	2nd through 3rd	12
BSCS Green Version: High School Biology	1964	Rand McNally & Company	N/A	Textbook	High school	1
Biology 2nd Edition	1993	Bernice Essensfeld, Carol Gontang, Randy Moore	N/A	Textbook	College	2
Biology Exploring Life	2006	Neil A. Campbell, Brad Williamson, Robin J. Heyden	N/A	Textbook	College	1
Biology: Guide to the Natural World	2005	David Krogh	N/A	Textbook	College	4
Biology: The unity and diversity of life	2001	Starr Taggart	N/A	Textbook	College	28
Caterpillar to Butterfly	2012	Laura Marsh	N/A	Trade book	Pre K through 1st	1
Classifying	2003	Andrew	N/A	Trade	3rd	2

Insects		Solway		book	through 5th	
Dictionary of Nature	1994	David Burnie	N/A	Trade book	3rd and up	3
Discovering Cycles	1973	Glenn O. Blough	Jeanne Bendick	Trade book	3rd through 7th	5
Eggs, Legs, Wings: A Butterfly Life Cycle	2011	Shannon Barefield	Simon Smith	Trade book	1st through 3rd	2
From Egg to Butterfly	2012	Shannon Zemlicka	N/A	Trade book	K through 3rd	0
The Hidden Life of a Toad	2017	Doug Wechsler	N/A	Trade book	Pre K through 3rd	0
Insect Lives	1996	Melvin A. Berger	N/A	Trade book	2nd through 4th	0
It's a Butterfly's Life	2007	Irene Kelly	Irene Kelly	Trade book	1st through 2nd	1
It's a Hummingbird's Life	2003	Irene Kelly	Irene Kelly	Trade book	1st through 3rd	1
Kill or Die: Extreme Life Cycles	2015	Louise Spilsbury	N/A	Trade book	4th through 6th	1
The Life Cycle of a Spider	1989	Jill Bailey	Jackie Harland	Trade book	K through 4th	1
Life: Investigate the Origins of Life and Find out how Living Things Survive	1999	David Burnie	N/A	Trade book	3rd through 7th	2
Life of the Honeybee	1986	Andreas Fischer-Nagel, Heiderose Fischer-Nagel	N/A	Trade book	3rd through 4th	1
Outside and Inside Kangaroos	1999	Sandra Markle	N/A	Trade book	2nd through 3rd	0

See How They Grow: Butterfly	1992	Mary Ling	N/A	Trade book	Pre K through K	1
Waiting for Wings	2001	Lois Ehlert	Lois Ehlert	Trade book	Pre K through 3rd	0
Watch Me Grow: Ape	2006	Lisa Magloff	N/A	Trade book	K through 3rd	4
Water Worlds: Fresh Water	2001	Peter Ampt	N/A	Trade book	4th through 6th	2
What Bluebirds Do	2013	Pamela F. Kirby	N/A	Trade book	K through 2nd	0
Wood Duck Baby	1983	Berniece Freschet	Jim Arnosky	Trade book	1st through 2nd	0

## Appendix B

### Diagrams that depict metamorphosis



### Diagrams that depict sexual reproduction

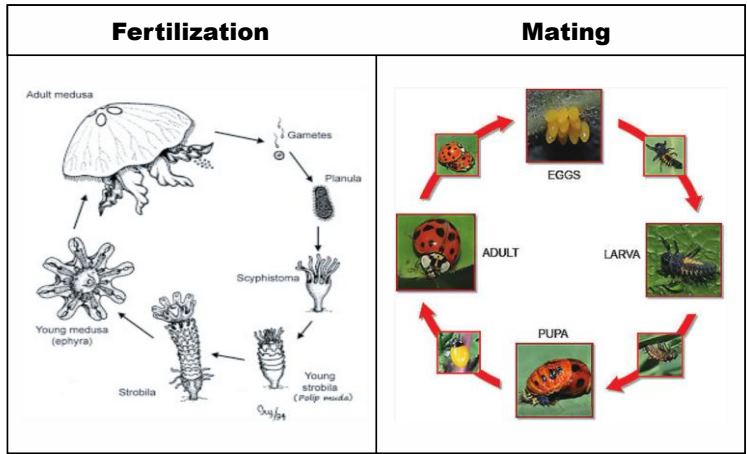
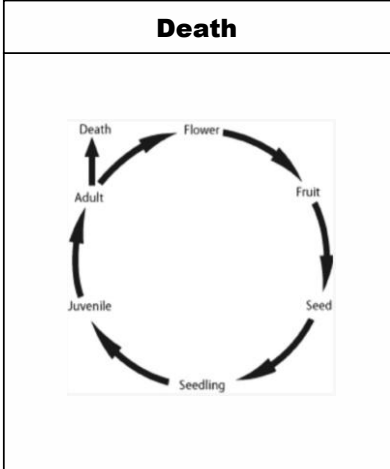
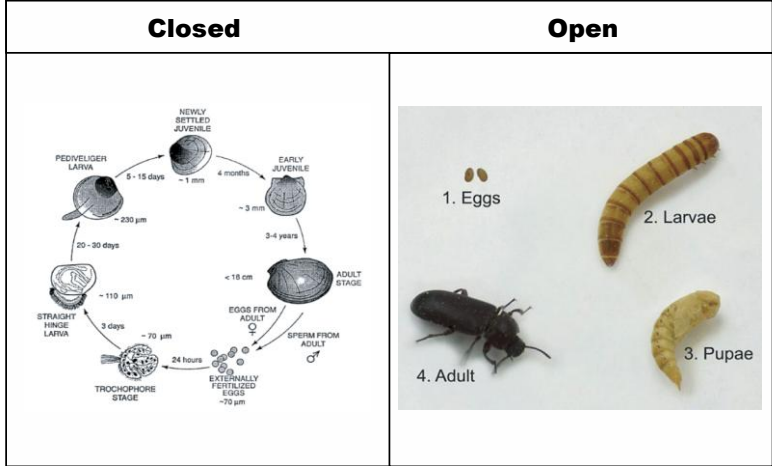


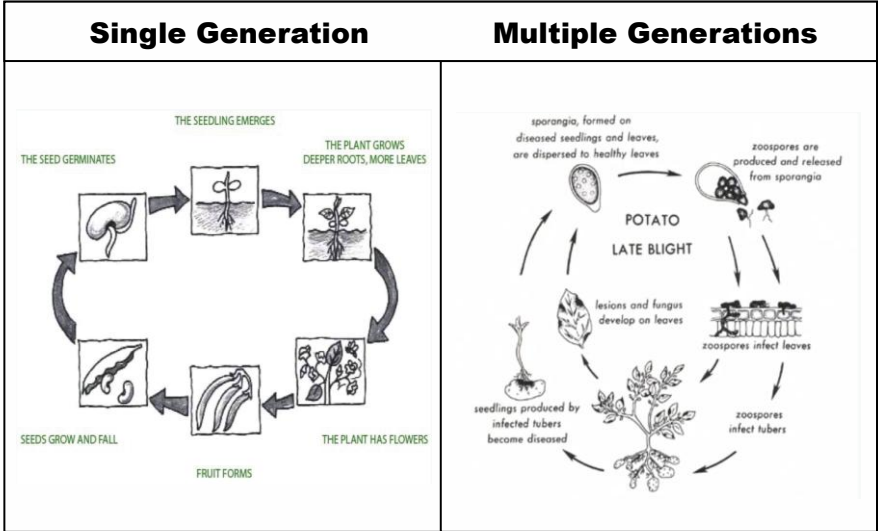
Diagram that depicts death



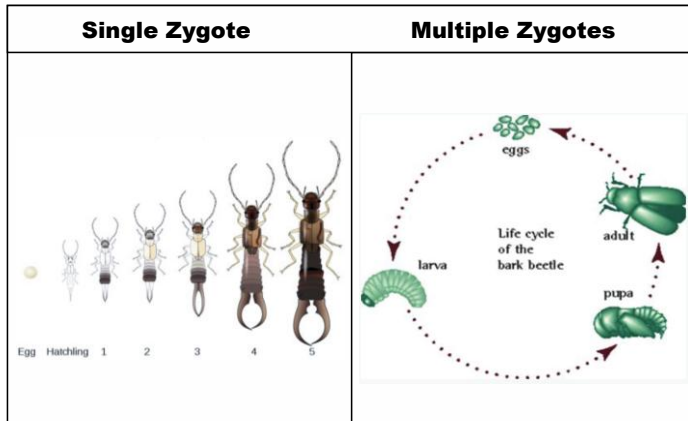
Diagrams that depict a closed (left) and open (right) life cycle



Diagrams that depict a single generation (left) and multiple generations (right)



**Diagrams that depict a single zygote (left) and multiple zygotes (right)**



**Diagrams that depict a single species (left) and multiple species (right)**

