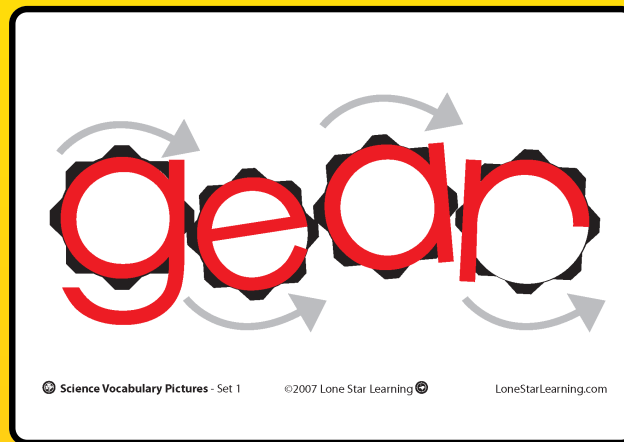




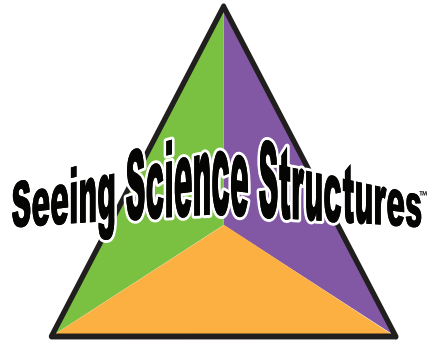
Visual Vocabulary - Are they Getting the Picture?



Sandra White

sandra@lonestarllearning.com

Seeing Science Structures™



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Scan for more info.

VOCABULARY

seed

seed coat

stored food

germination syn

label 3x

tiny plant

CORE VOCABULARY KEY

cycle

process

energy

force

model

process skill

system

Think it Out!

- What SCIENCE ideas do you see in the picture?
- Read the question.
- Circle vocabulary.
- Use your Concept Builder for help.
- Write your answer.

ACTIVITY KEY

make a T-chart

do a matching activity

make a word web

draw or label a diagram

1x **give an example**

syn **write a synonym**

look and identify

make a graph or chart

write an antonym

make a concept map

make a Venn diagram

add to core vocabulary

D **write a definition**

Word Webs

Complete the word webs. Add the arrows and words you need.

an **insect** $\xrightarrow{\hspace{1cm}}$ is

an **invertebrate** $\xrightarrow{\hspace{1cm}}$ is

metamorphosis $\xrightarrow{\hspace{1cm}}$ is

an **exoskeleton** $\xrightarrow{\hspace{1cm}}$ is

Synonyms

1. Two synonyms for **stage** are _____ and _____.

2. A synonym for **molt** is _____.

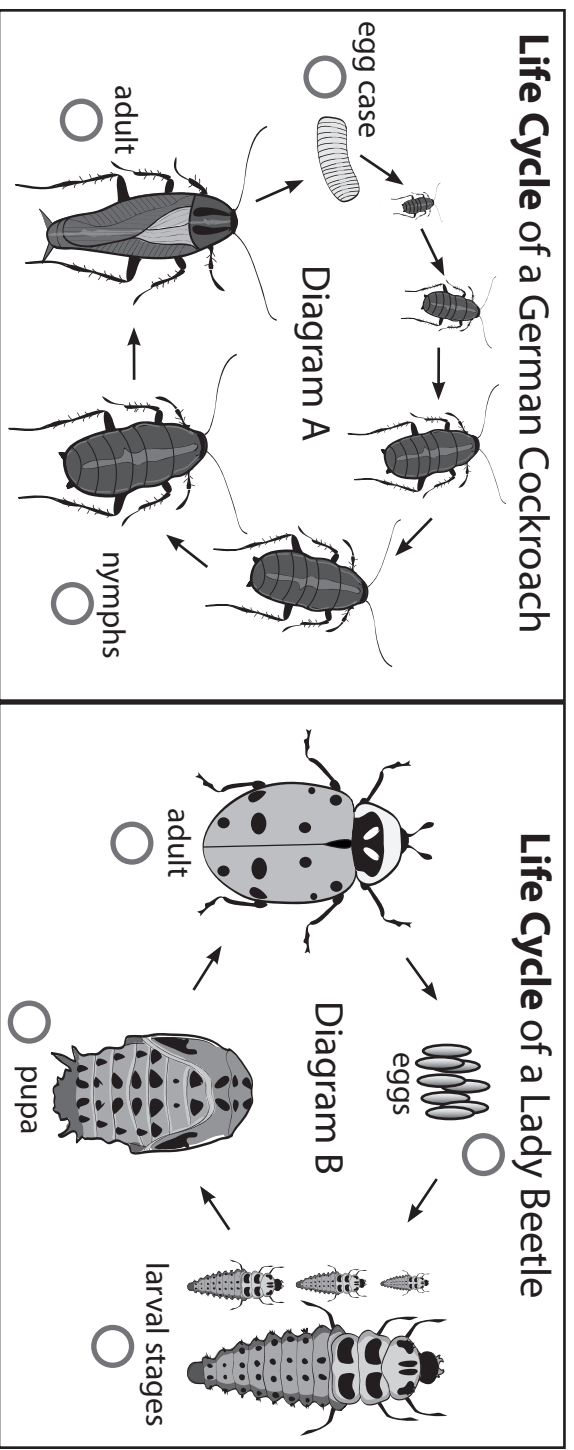
3. The 2 vocabulary words that are antonyms are _____, _____.

Examples

Two examples of organisms that **molt** are _____ and _____.

Identify

Use the 2 diagrams to answer the questions.



1. Which diagram shows **incomplete metamorphosis**? _____.

2. Number the **stages** in each diagram. Start with the egg. Write the number in the circle near the name of each **stage**.

3. Which diagram shows a **complete** change in body structure from young to adult? _____.

Name: _____

Insect Metamorphosis

Miss Ray's class was studying metamorphosis. They made a T-chart to help them remember the two kinds.

Metamorphosis of Insects	
Incomplete	Complete
3 Stages	4 Stages
egg	egg
nymph	larva
adult	pupa
	adult

1

How are the 2 kinds of metamorphosis alike?

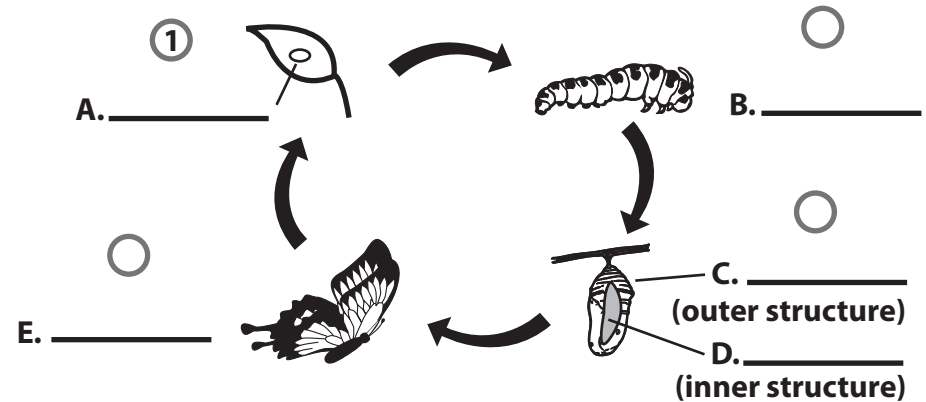
How are they different?

2

Jessica wanted to include the word "chrysalis" and "caterpillar" on the chart. Where is the best place to put these words? Write both words on the chart above.

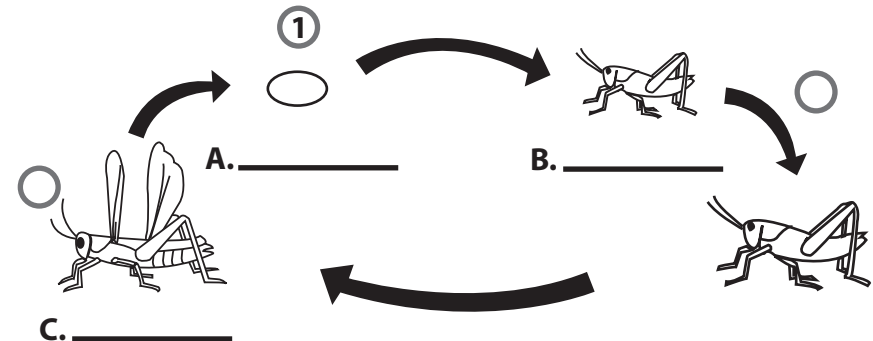
3

Fill in the diagram to show the life cycle of a butterfly. Write numbers in the circles and words on the lines.



4

Fill in the diagram to show the life cycle of a grasshopper. Write numbers on the circles and words on the lines.



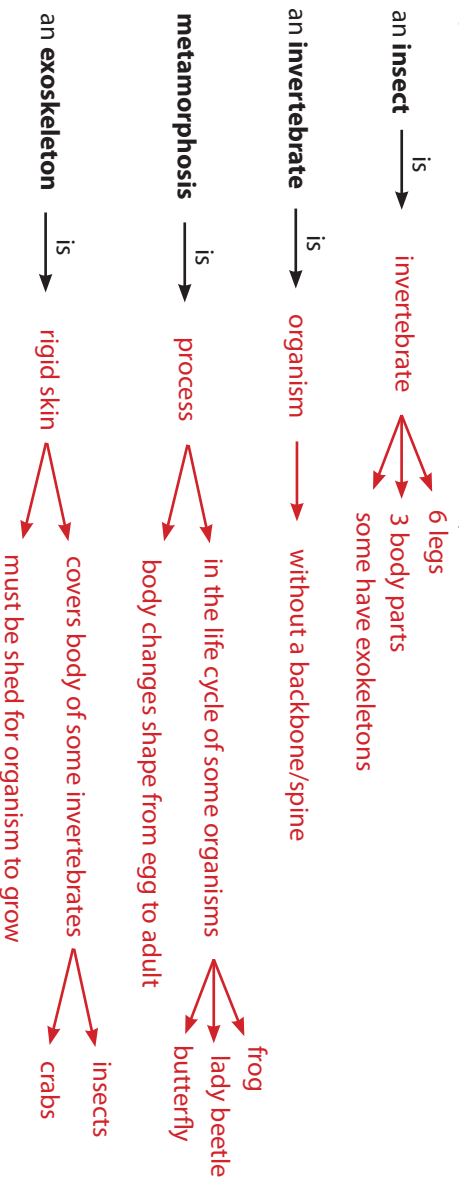
5

Look at questions 3 and 4. Which shows complete metamorphosis and which shows incomplete? _____

How do you know?

Word Webs

Complete the word webs. Add the arrows and words you need.



Synonyms

Antonyms

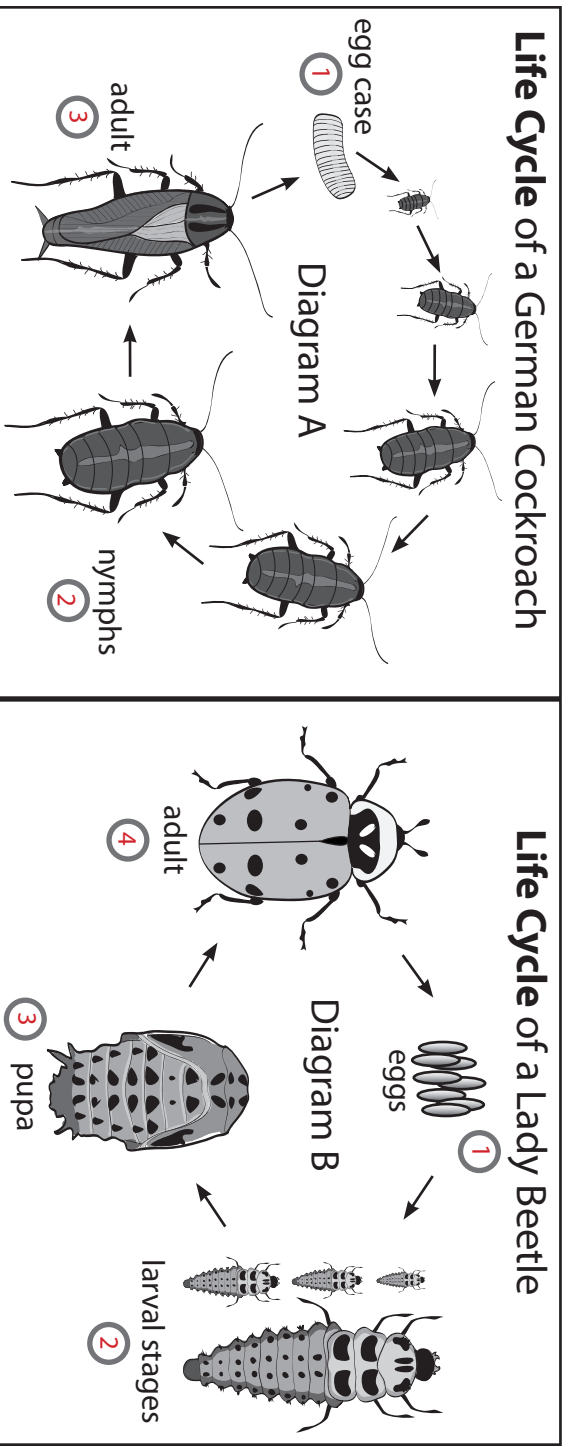
- Two synonyms for **stage** are step and phase.
- A synonym for **molt** is shed.
- The 2 vocabulary words that are antonyms are complete, incomplete.

Examples

Two examples of organisms that **molt** are insects and crabs, lobsters.

Identify

Use the 2 diagrams to answer the questions.



- Which diagram shows **incomplete metamorphosis**? A.
- Number the **stages** in each diagram. Start with the egg. Write the number in the circle near the name of each **stage**.
- Which diagram shows a **complete** change in body structure from young to adult? B.

Name: _____

Insect Metamorphosis

Miss Ray's class was studying metamorphosis. They made a T-chart to help them remember the two kinds.

Metamorphosis of Insects	
Incomplete	Complete
3 Stages	4 Stages
egg	egg
nymph	larva - caterpillar
adult	pupa - inside a chrysalis
	adult

1

How are the 2 kinds of metamorphosis alike?

Both involve insects. Both start with an egg and end with an adult.

How are they different?

Incomplete metamorphosis has 3 stages. The babies look like small adults.

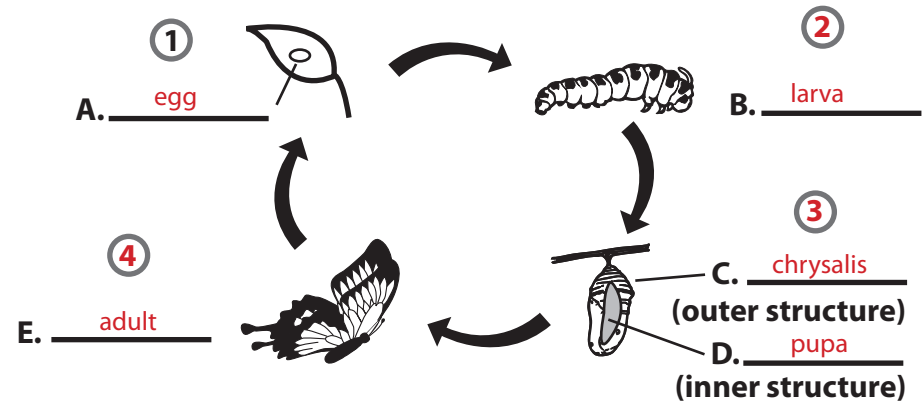
Complete metamorphosis has 4 stages. There is a complete change in body form and shape.

2

Jessica wanted to include the word "chrysalis" and "caterpillar" on the chart. Where is the best place to put these words? Write both words on the chart above.

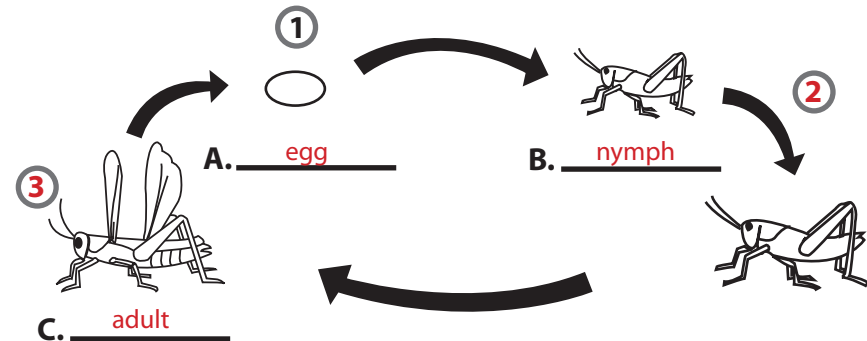
3

Fill in the diagram to show the life cycle of a butterfly. Write numbers in the circles and words on the lines.



4

Fill in the diagram to show the life cycle of a grasshopper. Write numbers on the circles and words on the lines.



5

Look at questions 3 and 4. Which shows complete metamorphosis and which shows incomplete? Question 3 shows complete metamorphosis and question 4 shows

incomplete metamorphosis.

How do you know?

Complete metamorphosis has 4 stages and incomplete metamorphosis has 3.

Metric Conversion Chart

			Grams			
			Liters			
			Meters			
King	Henry	Died	Unexpectedly (Units of Measure)	Drinking	Chocolate	Milk
kilo	hecto	deca	G, L, M	deci	centi	milli

Moving Right - Add 0's or move decimal right. Multiply!
Moving Left - Take away 0's or move decimal left. Divide!