



SCIENCE NOTEBOOK



INSECTS AND PLANTS

2ND GRADE

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INSECTS AND PLANTS

2ND GRADE

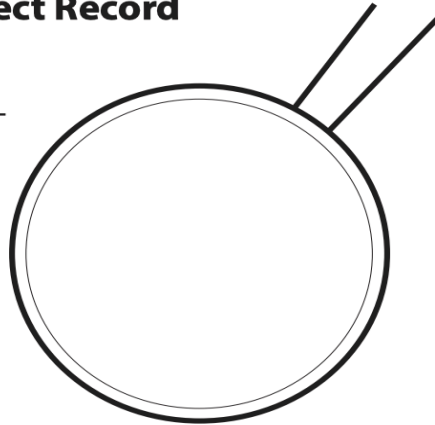
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Focus Question What do mealworms need to live?	Focus Question What do mealworms need to live?

Insect Record

Date _____

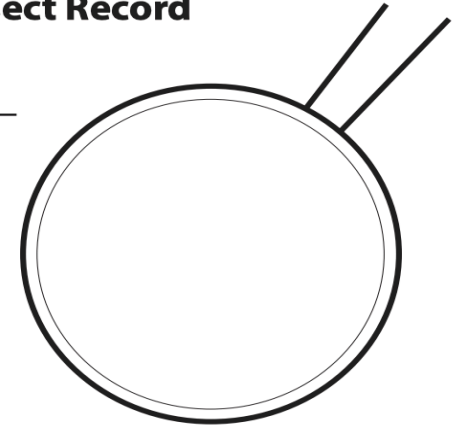
Observations



Insect Record

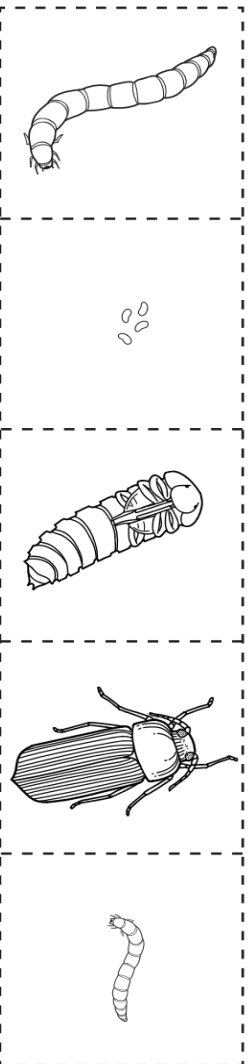
Date _____

Observations



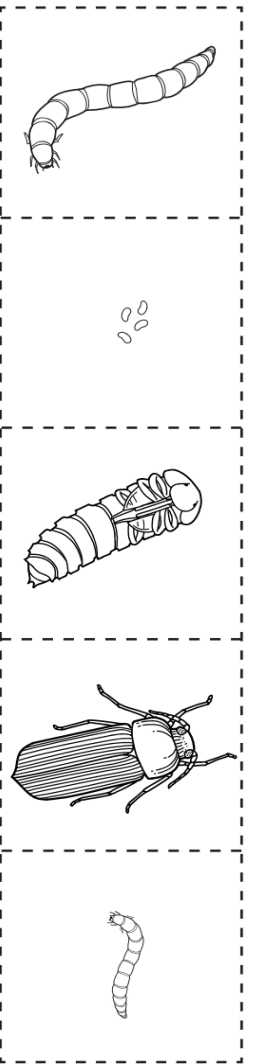
Focus Question How do mealworms grow and change?	Focus Question How do mealworms grow and change?

Stages in the Life Cycle of the Darkling Beetle



1. Cut apart the pictures.
2. Glue the pictures in a column in your science notebook. Put them in order from top to bottom to show the life cycle of the darkling beetle.
3. Write the name of the stage next to each picture.
4. Describe what happens during each stage with a few words or a sentence.

Stages in the Life Cycle of the Darkling Beetle



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2. Glue the pictures in a column in your science notebook. Put them in order from top to bottom to show the life cycle of the darkling beetle.
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4. Describe what happens during each stage with a few words or a sentence.

<p>Focus Question</p> <p>What are the stages of a beetle's life cycle?</p>	<p>Focus Question</p> <p>What are the stages of a beetle's life cycle?</p>

Focus Question How did we plant the brassica seeds?	Focus Question How did we plant the brassica seeds?

Plant Picture



Date _____

Observations _____

Plant Picture



Date _____

Observations _____

“How Plants Grow” Video Review

1. How do we know plants are living things?
2. What does a seed do for a plant?
What is inside a seed?
3. What conditions cause a seed to grow?

Pot	Conditions	Did seeds germinate?
#1	• water • sunlight • room temp	
#2	• no water • sunlight • room temp	
#3	• water • dark • room temp	
#4	• water • dark • cold	

4. What do the four main parts of a plant do?

Plant part	What it does
roots	
leaves	
stem	
flower	

“How Plants Grow” Video Review

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Plant part	What it does
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leaves	
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flower	

**“What Is Pollination?”
Video Review**

1. What is pollen?

2. What does pollinate mean?

3. What kinds of animals pollinate flowers?

4. Why are pollinators so important?

5. Let's compare. What are some different ways
plants are pollinated?

**“What Is Pollination?”
Video Review**

1. What is pollen?

2. What does pollinate mean?

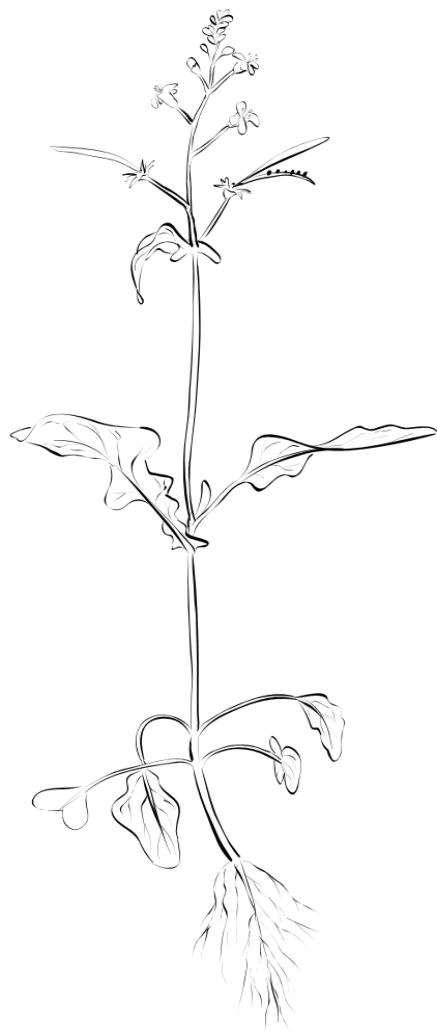
3. What kinds of animals pollinate flowers?

4. Why are pollinators so important?

5. Let's compare. What are some different ways
plants are pollinated?

<p>Focus Question</p> <p>How does a young plant change as it grows?</p>	<p>Focus Question</p> <p>How does a young plant change as it grows?</p>

Brassica A



Draw lines from
the words to the
parts of the plant.

bud

flower

leaf

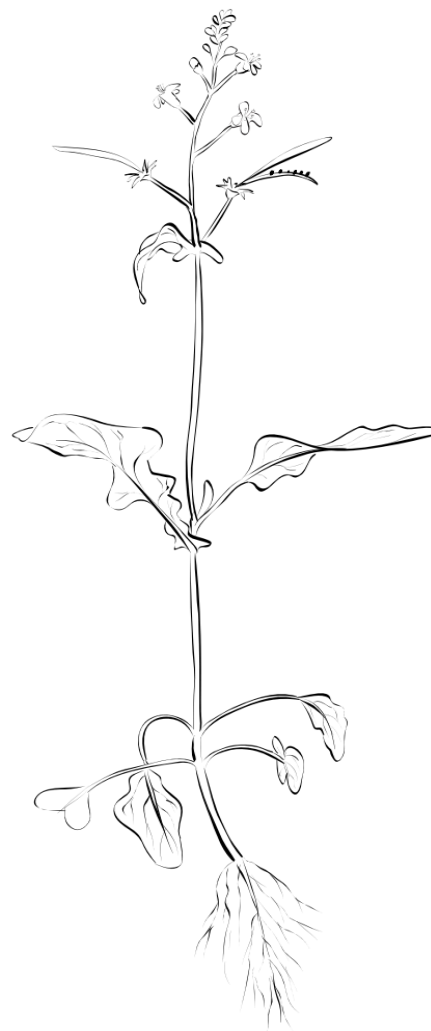
root

seed

seedpod

stem

Brassica A



Draw lines from
the words to the
parts of the plant.

bud

flower

leaf

root

seed

seedpod

stem

Brassica B

Label the parts of the plant.



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Insects and Plants Module
Investigation 2: Brassica Seeds
No. 7—Notebook Master

Brassica B

Label the parts of the plant.



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Insects and Plants Module
Investigation 2: Brassica Seeds
No. 7—Notebook Master

<p>Focus Question</p> <p>What will happen to the flowers on the brassica plants?</p>	<p>Focus Question</p> <p>What will happen to the flowers on the brassica plants?</p>

“Flowers and Seeds” Review

1. Name one plant, and tell about its flowers.

2. Where are the seeds on a brassica plant?

3. Name two fruits you like to eat.

4. Name the parts of a plant that are important for its life cycle.

“Flowers and Seeds” Review

1. Name one plant, and tell about its flowers.

2. Where are the seeds on a brassica plant?

3. Name two fruits you like to eat.

4. Name the parts of a plant that are important for its life cycle.

<div>Focus Question</div> <div>Where is a good outdoor space for growing young plants?</div>	<div>Focus Question</div> <div>Where is a good outdoor space for growing young plants?</div>

<p>Focus Question</p> <p>What are the yellow objects and how do they change over time?</p>	<p>Focus Question</p> <p>What are the yellow objects and how do they change over time?</p>

Milkweed Bug Habitat

Draw the habitat you have made for the milkweed bugs.

What will they need?

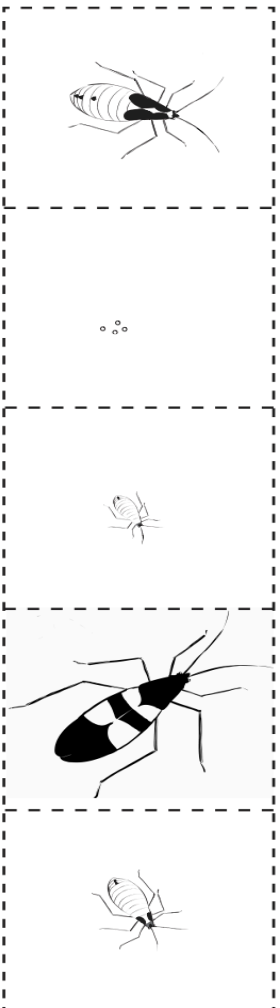
Milkweed Bug Habitat

Draw the habitat you have made for the milkweed bugs.

What will they need?

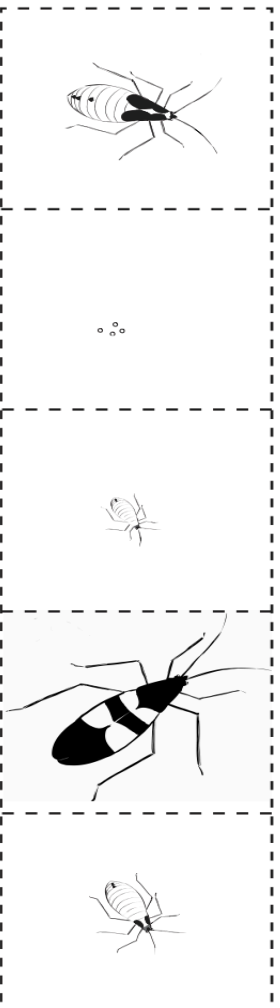
Focus Question What do milkweed bugs need in their habitat?	Focus Question What do milkweed bugs need in their habitat?

Stages in the Life Cycle of the Milkweed Bug



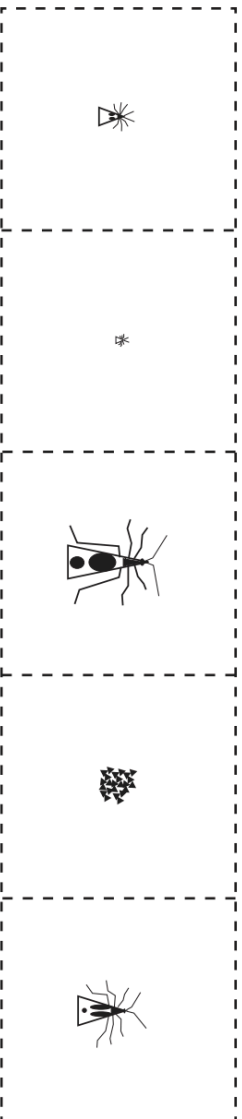
1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the milkweed bug. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

Stages in the Life Cycle of the Milkweed Bug



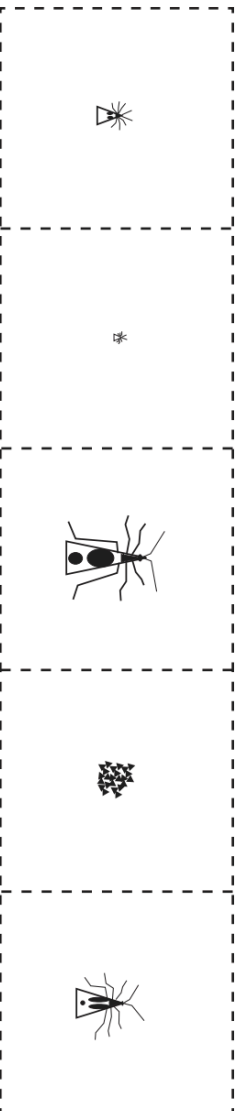
1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the milkweed bug. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

Stages in the Life Cycle of the Triangle Bug



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the triangle bug. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

Stages in the Life Cycle of the Triangle Bug



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the triangle bug. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

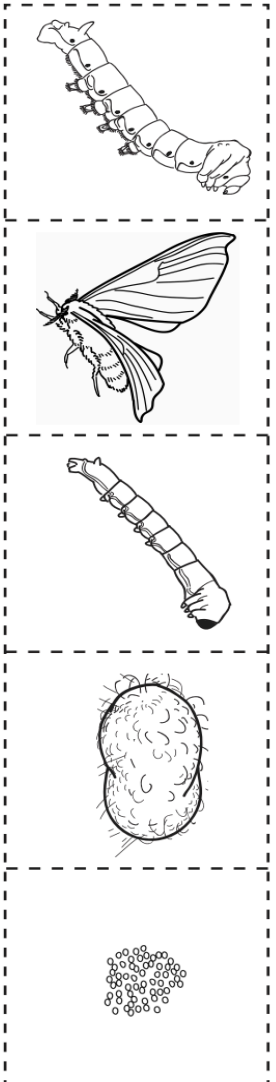
<div>Focus Question</div> <div>How do milkweed bugs grow and change?</div>	<div>Focus Question</div> <div>How do milkweed bugs grow and change?</div>

<div>Focus Question</div> <div>Where do insects live?</div>	<div>Focus Question</div> <div>Where do insects live?</div>

<p>Focus Question</p> <p>What do silkworms need to live?</p>	<p>Focus Question</p> <p>What do silkworms need to live?</p>

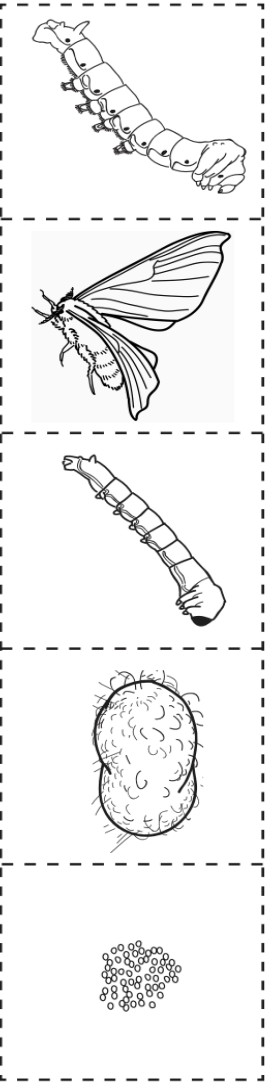
<div>Focus Question</div> <div>How does a silkworm compare to a mealworm?</div>	<div>Focus Question</div> <div>How does a silkworm compare to a mealworm?</div>

Stages in the Life Cycle of the Silkworm Moth



1. Cut apart the pictures.
2. Glue the pictures in a column in your science notebook. Put them in order from top to bottom to show the life cycle of the silkworm moth.
3. Write the name of the stage next to each picture.

Stages in the Life Cycle of the Silkworm Moth



1. Cut apart the pictures.
2. Glue the pictures in a column in your science notebook. Put them in order from top to bottom to show the life cycle of the silkworm moth.
3. Write the name of the stage next to each picture.

“Insect Life Cycles” Review

1. Tell about the life cycle of a bee.

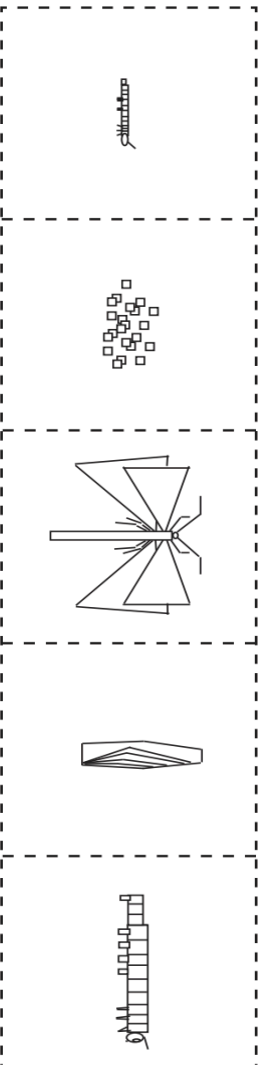
2. Tell about the life cycle of a milkweed bug.

“Insect Life Cycles” Review

1. Tell about the life cycle of a bee.

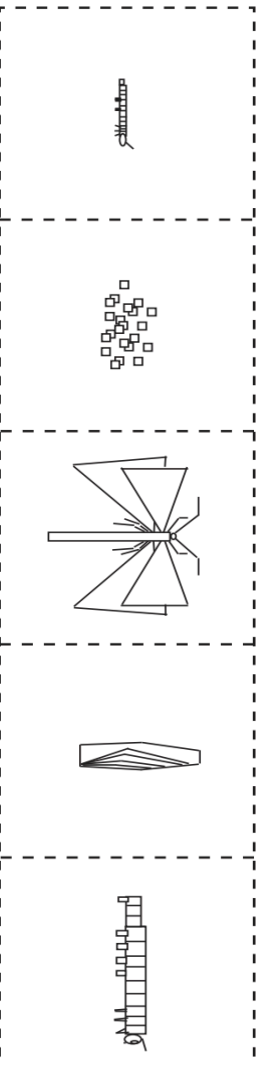
2. Tell about the life cycle of a milkweed bug.

Stages in the Life Cycle of the Square Moth



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the square moth. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

Stages in the Life Cycle of the Square Moth



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the square moth. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

<div>Focus Question</div> <div>What's the life cycle of a silkworm?</div>	<div>Focus Question</div> <div>What's the life cycle of a silkworm?</div>

Evidence of Plant Eaters

What evidence is there that insects are eating plants in the schoolyard?

Look for

- Leaves with holes



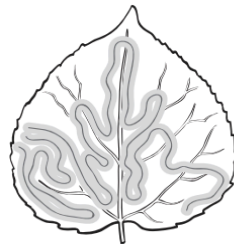
- Leaves with chewed edges



- Curled, shriveled leaves



- Surface scraping on leaves



Evidence of Plant Eaters

What evidence is there that insects are eating plants in the schoolyard?

Look for

- Leaves with holes



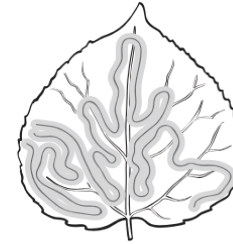
- Leaves with chewed edges



- Curled, shriveled leaves



- Surface scraping on leaves



Focus Question What evidence is there that insects are eating plants in the schoolyard?	Focus Question What evidence is there that insects are eating plants in the schoolyard?

Caterpillar Structures

Do caterpillars have legs? _____

How many? _____

Do caterpillars have bristles or hairs?

Do caterpillars have antennae? _____

How many? _____

What colors are on these caterpillars?

Caterpillar Structures

Do caterpillars have legs? _____

How many? _____

Do caterpillars have bristles or hairs?

Do caterpillars have antennae? _____

How many? _____

What colors are on these caterpillars?

<div>Focus Question</div> <div>What do caterpillars do?</div>	<div>Focus Question</div> <div>What do caterpillars do?</div>

<p>Focus Question</p> <p>How is a painted lady pupa different from a silkworm pupa?</p>	<p>Focus Question</p> <p>How is a painted lady pupa different from a silkworm pupa?</p>

Stages in the Life Cycle of the Painted Lady Butterfly



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the painted lady butterfly. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

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Investigation 5: Butterflies
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Stages in the Life Cycle of the Painted Lady Butterfly



1. Cut apart the pictures.
2. Put them in order from top to bottom to show the life cycle of the painted lady butterfly. Glue the pictures in a column in your science notebook.
3. Write the name of the stage next to each picture.

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“Life Goes Around” Review

1. Does a ladybug larva look like its parents?

2. Tell about the life cycle of a ladybug.

3. Tell about the life cycle of a different animal.

4. Name five animals that hatch from eggs.

5. Name some animals that are born alive (not from eggs).

“Life Goes Around” Review

1. Does a ladybug larva look like its parents?

2. Tell about the life cycle of a ladybug.

3. Tell about the life cycle of a different animal.

4. Name five animals that hatch from eggs.

5. Name some animals that are born alive (not from eggs).

Focus Question What is the life cycle of a painted lady butterfly?	Focus Question What is the life cycle of a painted lady butterfly?

Focus Question What plants in our schoolyard have pollen?	Focus Question What plants in our schoolyard have pollen?

