

# BOTANY LAPBOOK



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# What is Botany?



Cut book out as one piece. Fold in half.

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Look up the definition of botany in a dictionary and write the answer in your minit book.

Read pages 250-251 and complete minit book.



# Parts of a Plant Cell

**Cell Wall**

REMOVE THIS AREA (Cut away so you have just a tab left)

**Vacuoles**

REMOVE THIS AREA

**Assembly Directions:**

Cut the strips along the solid outer lines. If there is a rectangle piece in the right corner of the strip, cut it off as indicated (remove this area). Stack your strips in order with cover on top and staple where indicated.

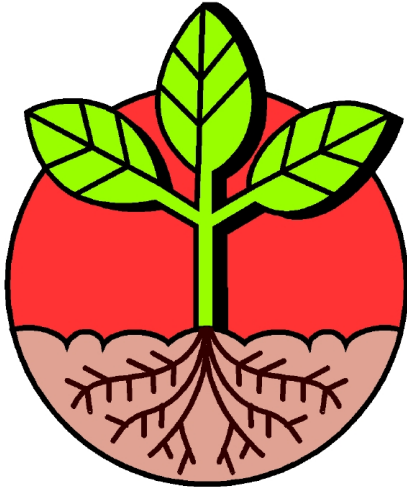
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**Chloroplasts**

REMOVE THIS AREA

**Chromoplasts**

# Types of Roots



**Fibrous Roots**

**Adventitious Roots**

**Aerial Roots**

**Prop Roots**

**Tap Roots**

*Read pages 252-253 and complete minit book.*

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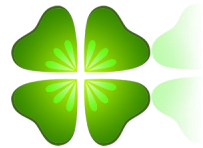
Cut out book as one piece. Fold left side in. Fold right side in. Open book. Cut on dotted line to form two flaps. Refold book.

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**Simple**



**Compound**



**Types of  
Leaves**



Read pages 258-259 and complete minit book.

Cut book out as one piece. Fold top under. Fold bottom under. Open book. Cut on solid black lines to form four flaps. Refold so that the cover is on the front.

**Palmate  
Leaves**

**Trifoliate  
Leaves**

**Ternate  
Leaves**

**Pinnate  
Leaves**

# Compound Leaves

*Read pages 258-259 and complete minit book.*





# Photosynthesis

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Cut book out on solid lines; fold on dotted lines.

*Read pages 264-265 and complete minit book.*

# How Plants Eat



Cut book out as one piece. Fold in half. Cut the six books out (on the next two pages); fold in half. Open the large book. Paste three miniature books on the right side of the book and three miniature books on the left side.

*Read pages 266-267 and complete minit book.*

<b>Photosynthesis</b>	<b>Parasites</b>
<b>Hemiparasites</b>	<b>Saprotrophs</b>

<b>Epiphytes</b>	<b>Carnivorous Plants</b>

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Read pages 268-269 and complete minit book.

To Touch

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To Water

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To Gravity

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To Light

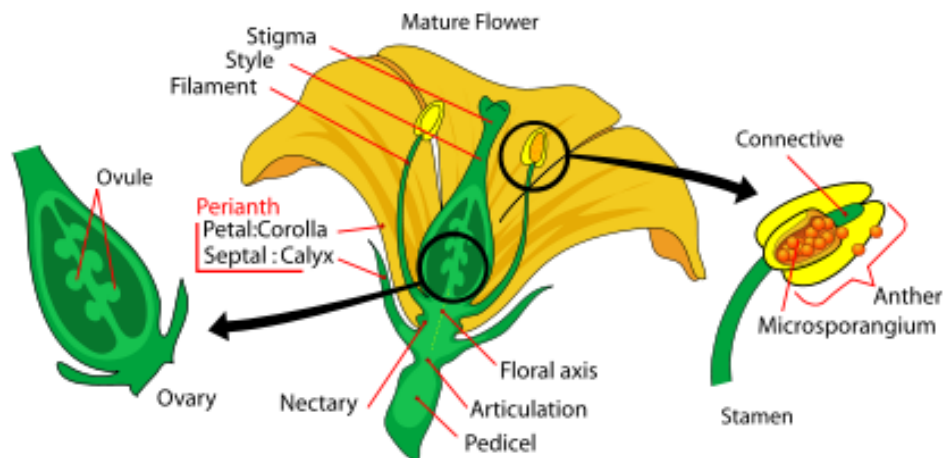
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Plant Sensitivity

PRINT ON CARDSTOCK. Cut each piece out on the solid black lines. There will be six pieces in all. Attach with brass fastener where indicated. If you need more than six pieces, print another page of templates. List which "tropism" is involved with each stimuli (light, gravity, water, touch).

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# Parts of a Flower



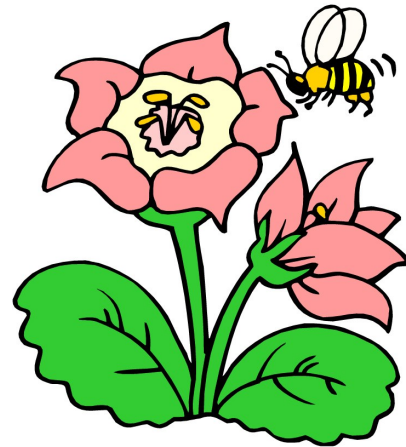
Cut book out on solid lines; fold on dotted lines. Define the parts you want your child to know on the inside.

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*Read pages 270-271 and complete minit book.*

Cut the strips along the solid outer lines. If there is a rectangle piece in the right corner of the strip, cut it off as indicated (remove this area). Stack your strips in order with cover on top and staple where indicated.

# *Pollination*



Definition

REMOVE THIS AREA (Cut away so you have just a tab left)

Cross-pollination

REMOVE THIS AREA

Wind Pollination

Self-Pollination

REMOVE THIS AREA

Animal Pollination

REMOVE

Read pages 272-273 and complete minit book.



# The Difference Between...



**True Fruit**

Cut rectangles out. Stack in order and staple on the left side of the front cover.

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## False Fruit

*Read pages 274-275 and complete minit book.*

# Types of Fruit

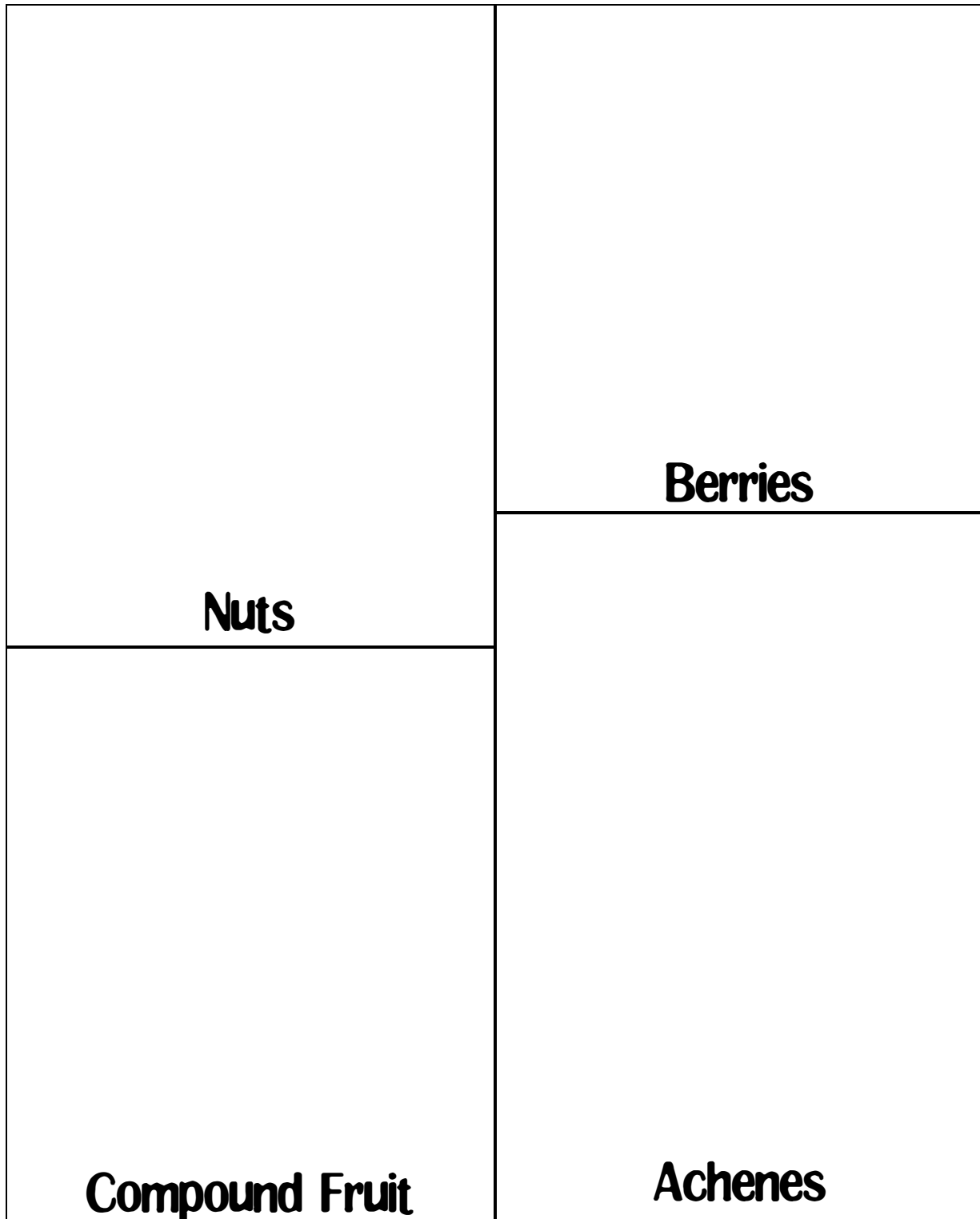


**Drupe**

**Pods**

**Grain**

*Read pages 274-275 and complete minit book.*



Cut out rectangles. Stack together smallest to largest with cover on top. Staple at the top.



Cut book out on solid lines; fold on dotted lines.

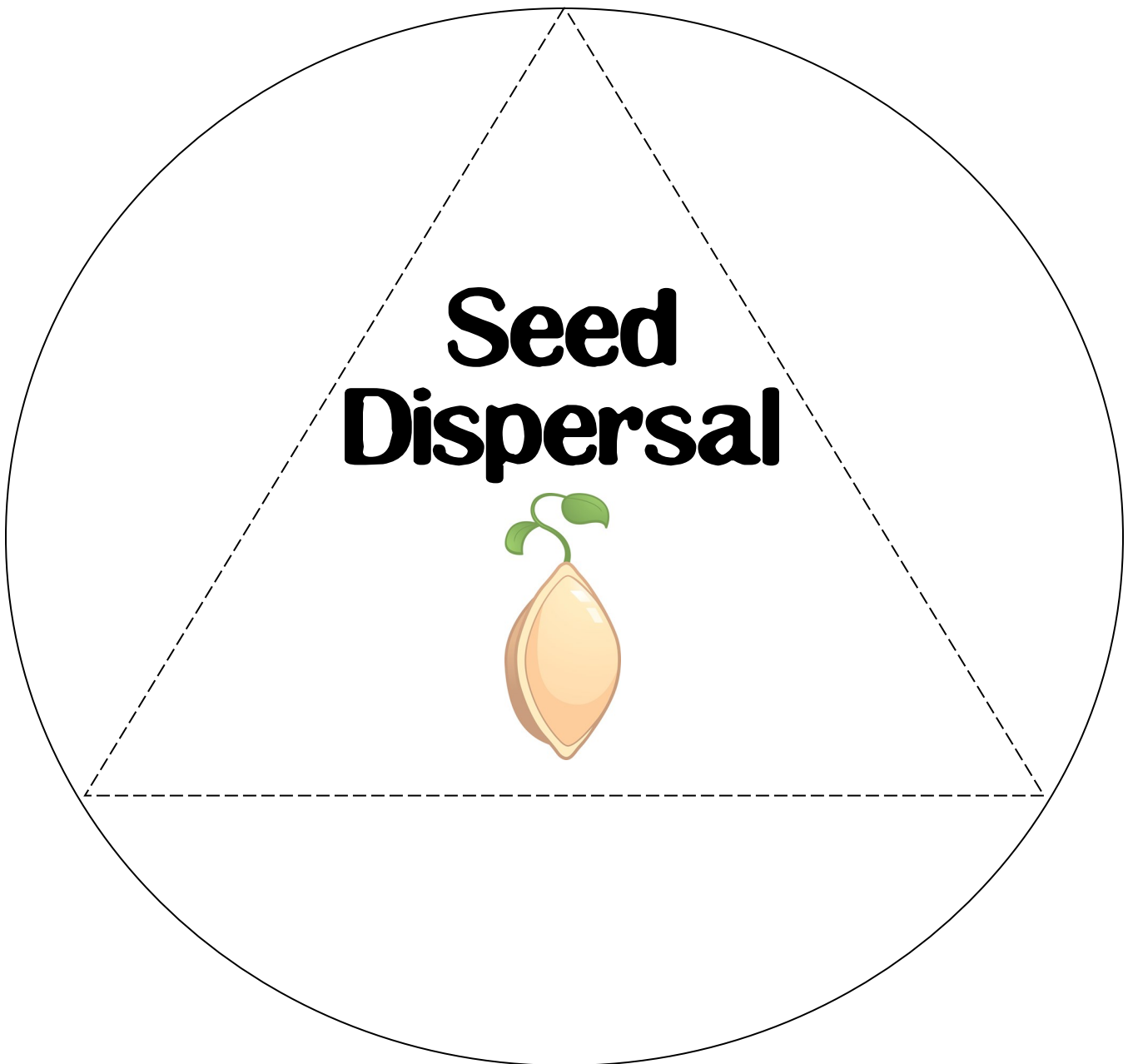
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*Read page 275 and complete minit book.*

Cut shape out as one piece. Fold flaps in using the dotted lines as your guide. Tuck the last flap under so that book will stay closed. List the three ways seeds are dispersed.

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*Read pages 276-277 and complete minit book.*

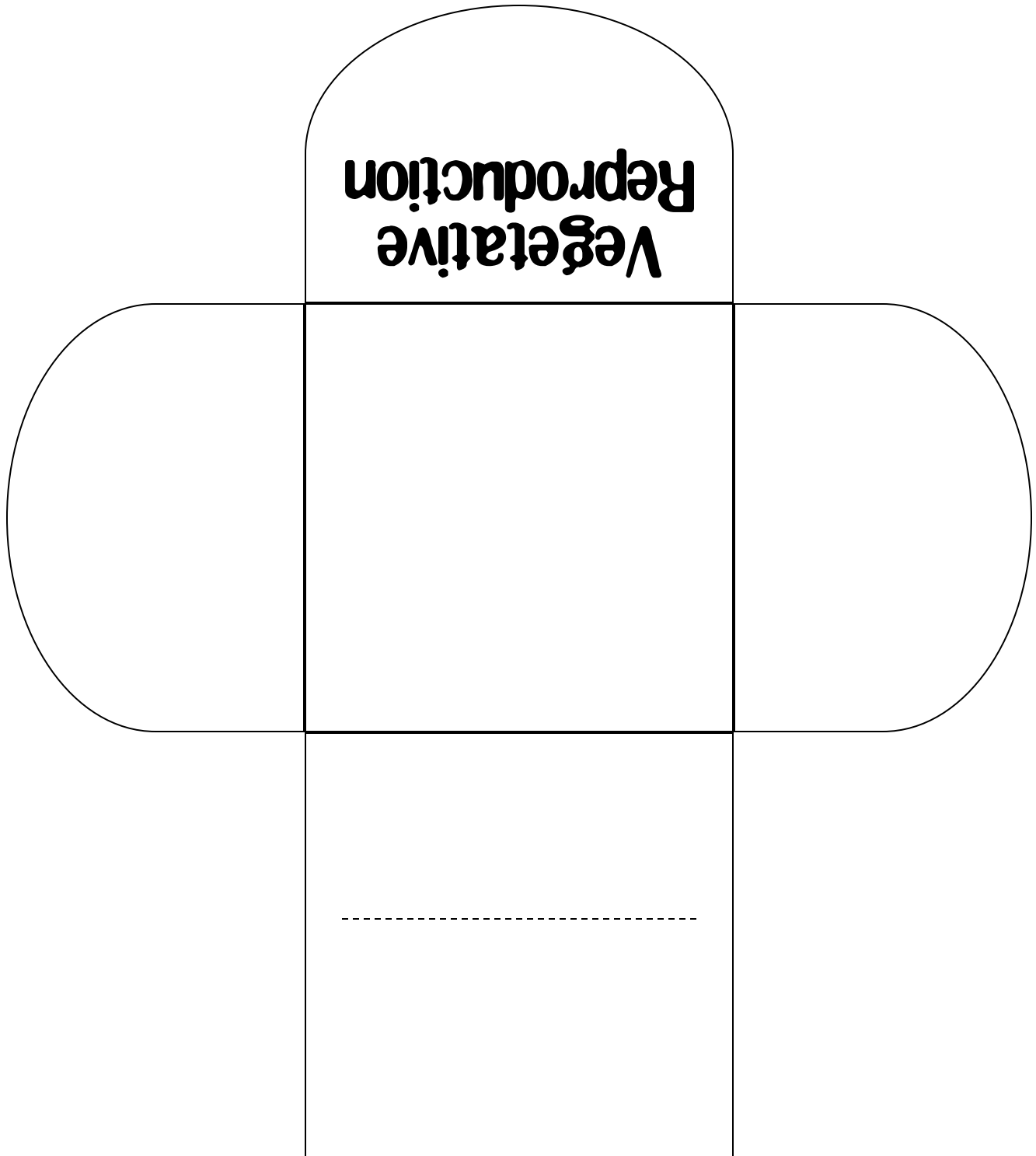


Read page 277 and complete minit book.

# Germination



Read pages 278-279 and complete minit book.

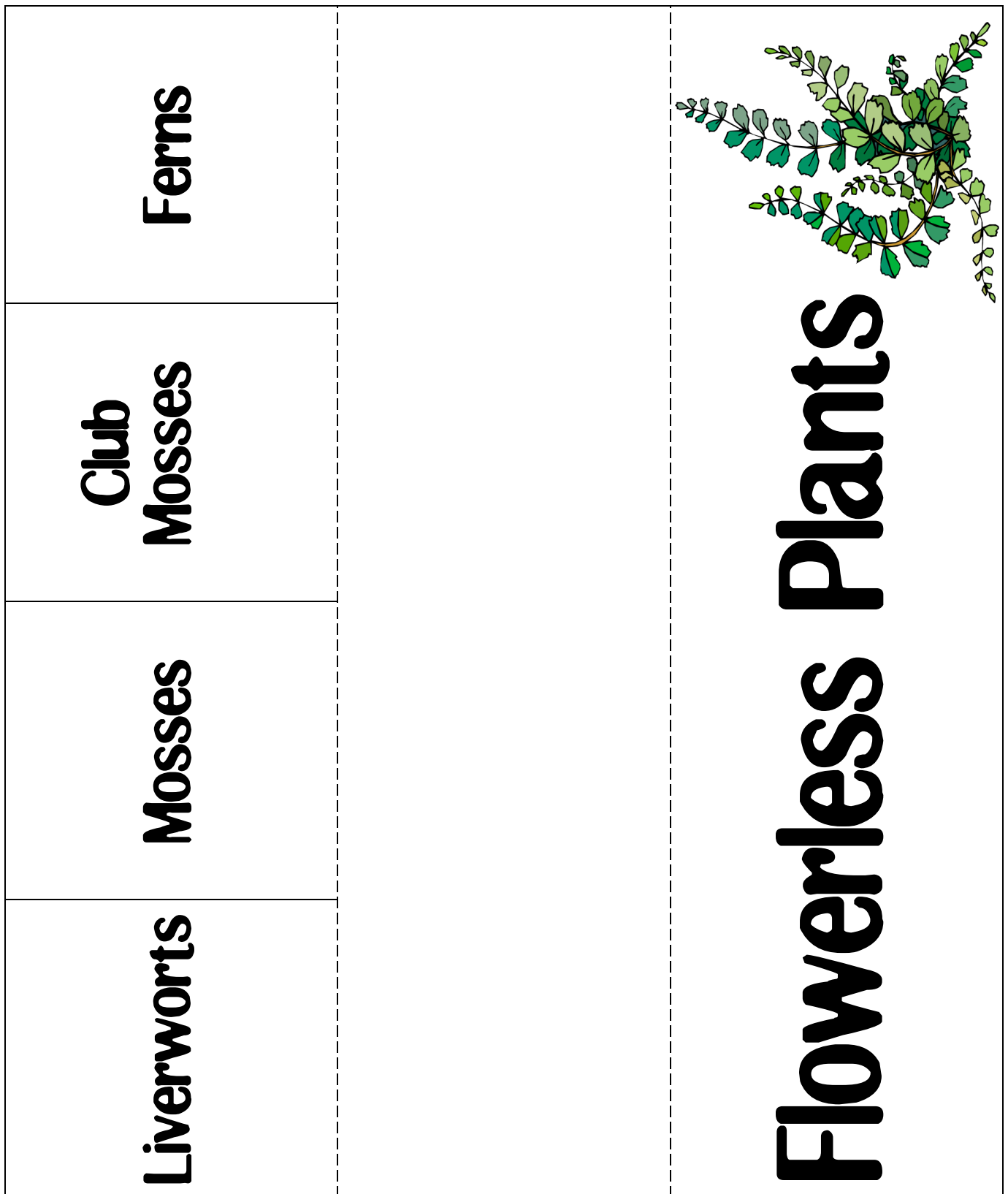





Cut the strip (to the left) out as one piece. Write the types of vegetative reproduction and a description on each on the strip. Fold up like an accordion.

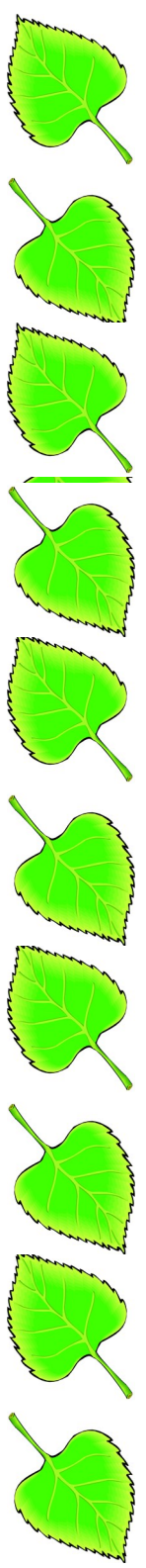
Cut the envelope (on previous page) out as one piece. Cut the slit (dotted lines) with an exacto knife). Fold sides in. Fold bottom up and fold top down and tuck in to flap. Open envelope. Glue the back of the last piece of the accordion to the inside of the envelope.

Cut book out as one piece. Fold top under. Fold bottom under. Open book. Cut on solid black lines to form four flaps. Refold so that the cover is on the front.



*Read pages 282-283 and complete minit book.*

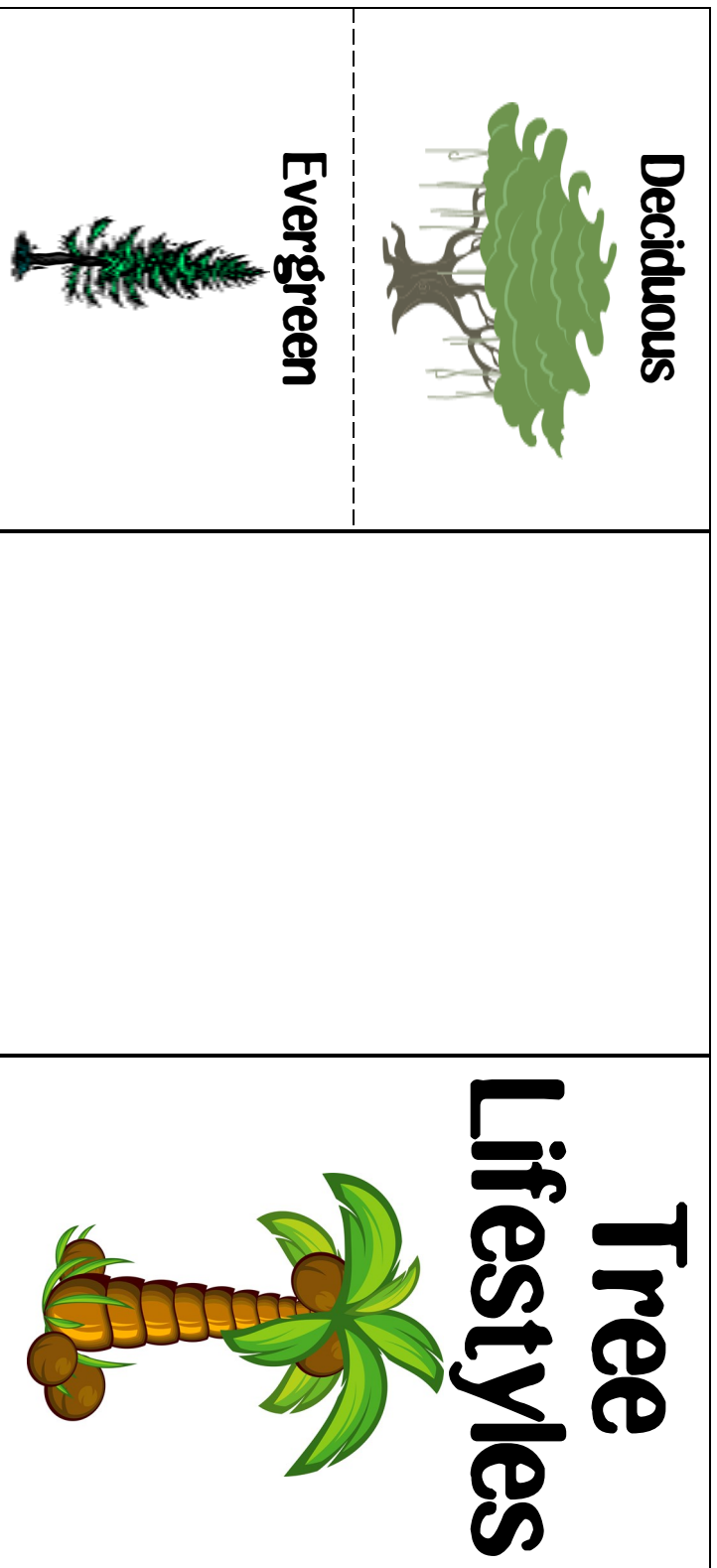
Read pages 288-289 and complete minit book.

Annuals	Biennials	Perennials	Ephemerals
<h1>Plant Lifestyles</h1> 			

Cut book out as one piece. Fold top under. Fold bottom under. Open book. Cut on solid black lines to form four flaps. Refold so that the cover is on the front.

Cut out book as one piece. Fold left side in. Fold right side in. Open book. Cut on dotted line to form two flaps. Refold book.

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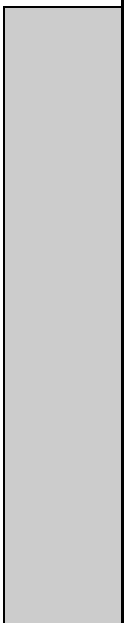
Read page 289 and complete minit book.

*Read pages 292-293.*

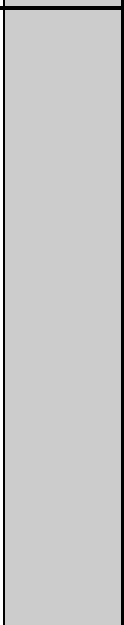
# Types of Cycles



**Nitrogen**



**Carbon**



**Water**

