PLANT ADAPTATIONS



Draw a line to match the plant, dispersal mechanism, and element that spreads seeds. Head out on the trails in search for seeds and try to identify how each plant disperses them.



Dispersal Adapation

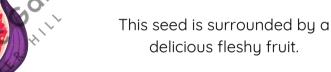


This seed has wings that allow it to twirl and glide to the ground below the tree.



This seed has a layer of fibers to make it light weight and able to float.







This seed has hair/fuzz which allows it to fly.



FIG

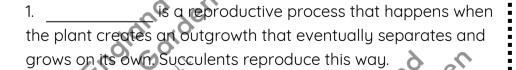


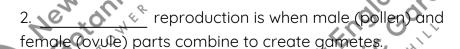
Fill in the blank with the correct word to complete each sentence. Use the words listed below.

Sexual

Asexual

Budding





3.	reproduction happens when a plant creates
J	reproduction happens when a plant creates
another genetica	lly identical plant.



Split into small groups to discuss these questions.

What environmental characteristics are needed for each seed dispersal adaptation to improve reproduction possibility?

What would be an advantage to reproducing asexually or sexually in an environment?

GARDEN RELATIONSHIPS



Fill in the blank of the missing words from the word bank in the middle of the page.

is the killing of one organism by another for food.

Commensalism is the relationship between two organisms where one organism benefits while the other remains neutral, not benefitting or harmed.

is the relationship between two organisms when one organism is harmed at the expense of the other organism.

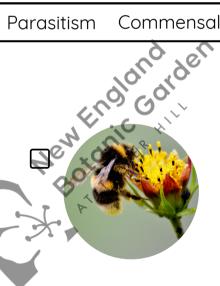
Mutualism is the relationship between two organisms where both organisms benefit.

is the interaction between organisms for a common resources like food, water, or space that is in limited supply.

WORD BANK Mutualism Parasitism Commensalism Predation Competition

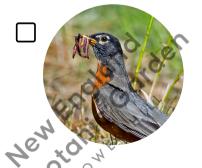


Use the word bank above to write relationship shown in the pictures. As you explore the garden, see how many you can check off in the little box beside the picture.







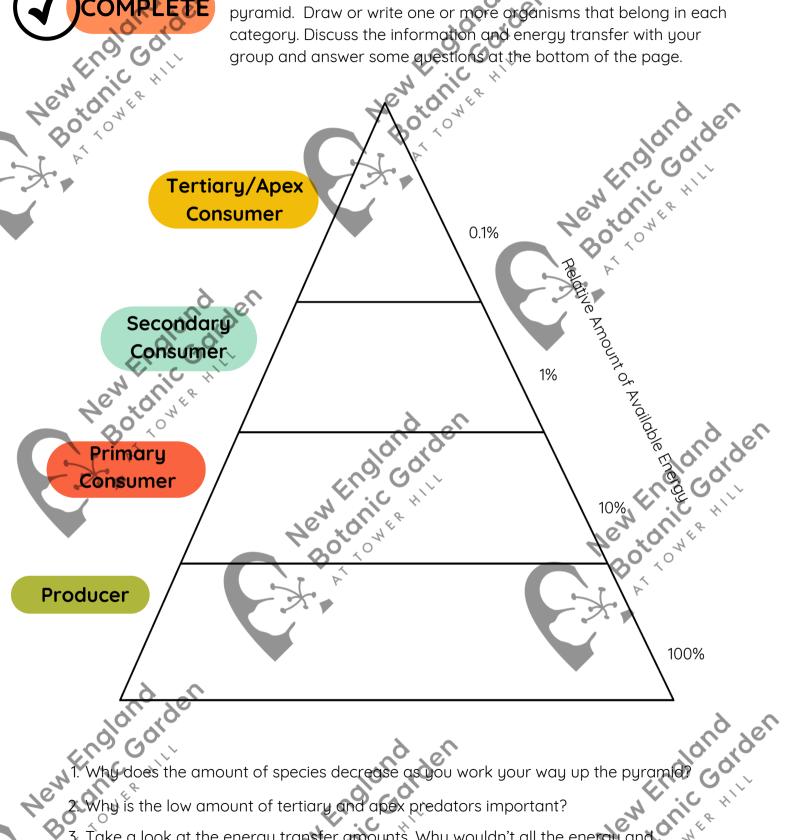




TROPHIC LEVELS



Refer to the food web or use your knowledge to fill in the trophic level pyramid. Draw or write one or more organisms that belong in each category. Discuss the information and energy transfer with your



- 2. Why is the low amount of tertiary and apex predators important?
- aecrease as you work your way up the pyramid?

 The low amount of tertiary and apex predators important?

 Take a look at the energy transfer amounts. Why wouldn't all the energy and nutrients transfer to each level of consumer?