



Pollinator

Conservation



By

Who are the pollinators?

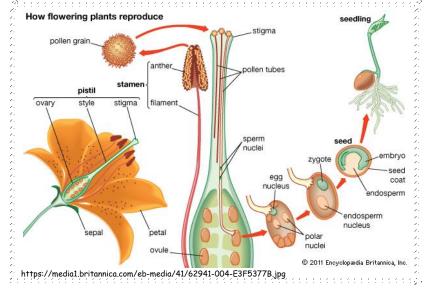
Besides honey bees, name five other animal pollinators.

1.	Honey	bees

- 2.__Bats_____
- 3.__Birds_____
- 4.__Moths____
- 5._Butterflies____
- 6.__Bumble & other native bees __

Flies and Beetles are also pollinators.

In cross-pollination, pollinators move pollen from the stamens of one flower to the pistil of another flower of the same species. This can lead to fertilization and the formation of seeds and fruits.



Why are pollinators important

...to plants?

genetic diversity, seed production, survival of plant species

....to other wildlife?

part of the food chain/web, indirectly by providing seeds and fruits and plant shelter

...to humans?

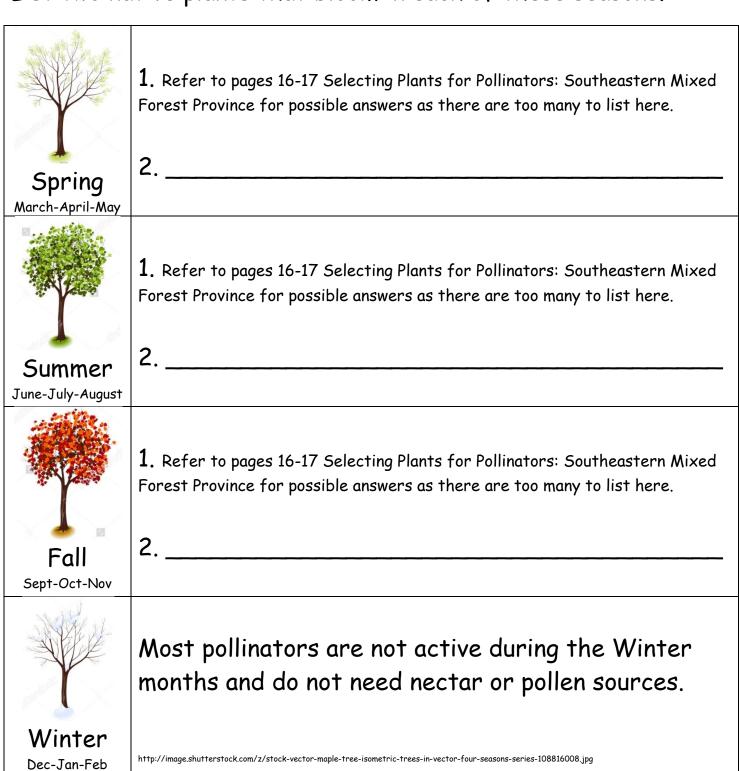
indirectly by providing seeds and fruits

In the box below, draw or write the name of your favorite fruit that pollinators make possible.

Pollinators need flowers* that bloom in Spring, Summer and Fall.

*Some pollinators only drink the nectar from flowers but others may use both nectar and pollen as food.

List two native plants that bloom in each of these seasons.



Butterflies require specific host plants on which their caterpillars (larvae) feed.

For each of the butterflies listed, name one of its host plants.

Monarch Danaus plexippus	cD-MA-4	Carri Alan Yay	Swamp Milkweed Asclepias incarnata
Eastern Tiger Swallowtail Papilio glaucus	and admis	C Todd State	Tulip poplar, wild cherry, sweet bay, ash are possible answers
Cloudless Sulphur Phoebis sennae	© kon sakel	O Havel I C Critic	Sicklepod (Cassia obtusifolia), partridge pea (Cassia fasciculate), and various Cassia spp. are possible answers
Fiery Skipper Hylephila phyleus			Weedy grasses especially crabgrass and Bermuda grass are possible answers
Eastern Tailed-Blue Cupido comyntas	o)SubMod		Pea family plants (vetches, clovers, beggar's tick, alfalfa, lespedeza) are possible answers
Gulf Fritillary Agraulis vanillae	C Data Mana	@ Mange Mendez	Maypop and other Passiflora spp. are possible answers

Not all bees live in hives!

Some native bees make their nests in soil and...



https://www.pinterest.com/pin/565835140652797068/

others, in cavities or tunnels.



Name two types of native bees that are ground-nesters.

1.___Bumble, Digger, Squash and Gourd, Sweat, Plasterer or Cellophane and Andrendid bees are all possible answers

Name two types of native bees that are tunnel-nesters

1.__Large and Small Carpenter, Leafcutter, Mason, and Yellow-faced bees are all possible answers

What is something that you can do to help create habitat for these ground-nesting bees?

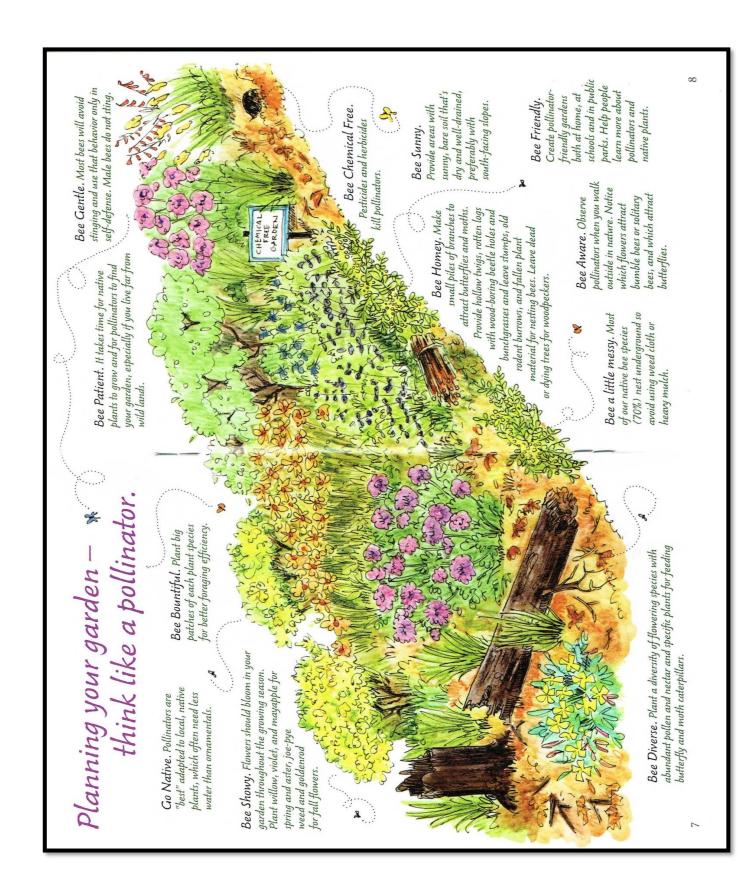
_answers may vary but basically leave some areas of soil bare and undisturbed

What is something that you can do to help create habitat for these tunnel-nesting bees?

_answers may vary but basically either leave dead wood and stems or create artificial nesting sites (straws drilled untreated wood)___

Become a Citizen Scientist! Observe pollinators, record and report your data.

Obser	vers:					
Date:		Start Time:	a	m/pm	End Time:	am/pm
Pollinators observed:		Use tally marks to	count n	umbers	of each type.	
	Bumblebees					
	Carpenter bees					
	Western Honey bees					
	Other bees (describe	in notes)				
	Unknown bees					
	Birds					
	Butterflies (or Moths))			·	
	Be sure to list each type of pollin	nator (beetle, wasp, fly, etc.)	separately a	nd count th	e number of times it visits t	the flower.
	Other					
	Other					
П	I did not see any polli					
	s of plants on which pe		erved a	nd the r	number of blooms	on each tyn
varrie	s of plants on which p	ominators were obs	cived a	iid tiie i		
Exam	ple: Blueberry		30		THE GRE	4 1
	,					7.
1.					Sul	5
2.					147	054
3.				httn	s://www.greatsur	oflower org/
	ner conditions:			<u>1100</u>	J./ VV VV VV. SI Catour	mower.org/
Гетр	eratureº F/C	Cloud cove	r:	%	Rain in past 24	hours:
Notes	/ comments:					



How will you design your Pollinator Habitat?

- ✓ Food
- ✓ Water
- √ Shelter
- ✓ Places to raise young



Sketch or list your ideas here.