

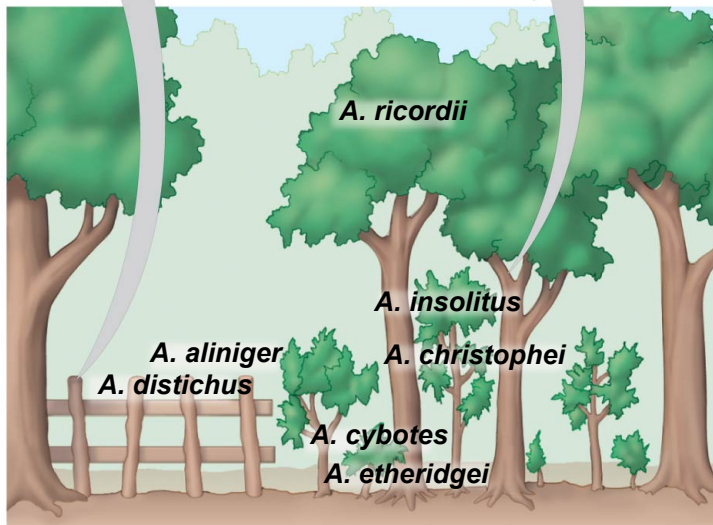


Interaction	Description
Competition (-/-)	Two or more species compete for a resource that is in short supply.
Predation (+/-)	One species, the predator, kills and eats the other, the prey.
Herbivory (+/-)	An herbivore eats part of a plant or alga.
Symbiosis	Individuals of two or more species live in close contact with one another. Symbiosis includes:
Parasitism (+/-)	The parasite derives its nourishment from a second organism, its host , which is harmed.
Mutualism (+/+)	Both species benefit from the interaction.
Commensalism (+/0)	One species benefits from the interaction, while the other is unaffected by it.
Facilitation (+/+ or 0/+)	A species has positive effects on other species without intimate contact.

A. distichus perches on fence posts and other sunny surfaces.



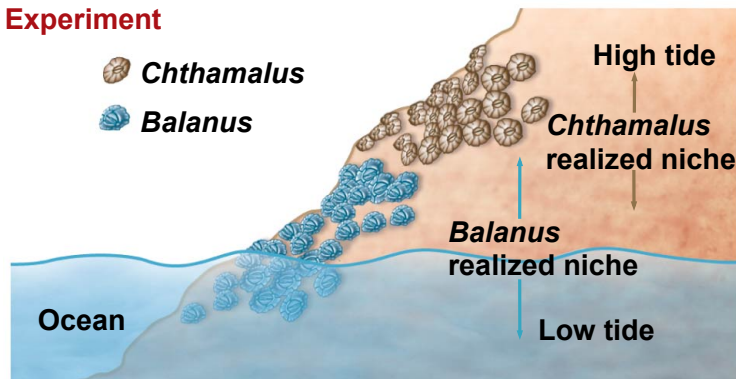
A. insolitus usually perches on shady branches.



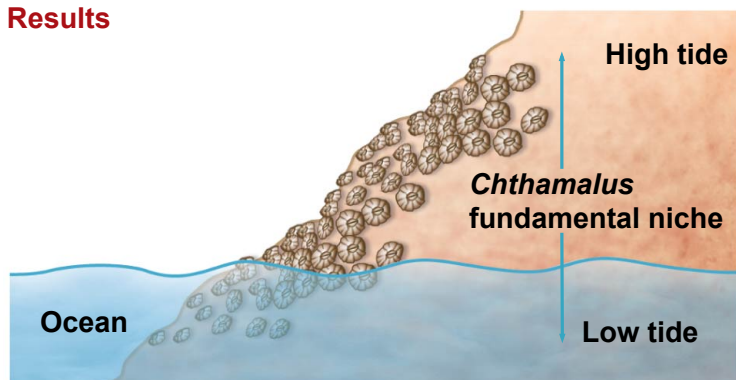
Experiment

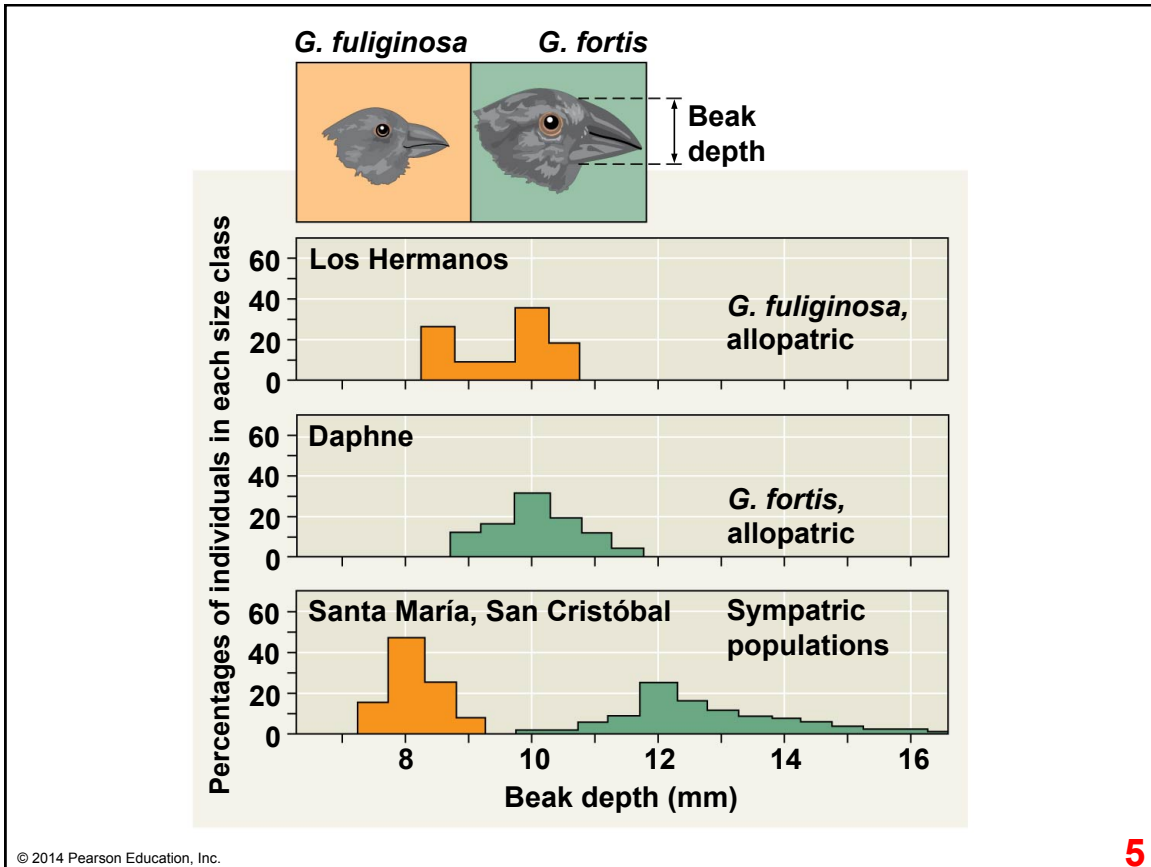
 *Chthamalus*

 *Balanus*



Results





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(a) Cryptic coloration

- ▶ Canyon tree frog

(b) Aposematic coloration

- ▶ Poison dart frog

(c) Batesian mimicry: A harmless species mimics a harmful one.

- ◀ Nonvenomous hawkmoth larva
- ▶ Venomous green parrot snake

(d) Müllerian mimicry: Two unpalatable species mimic each other.

- ◀ Cuckoo bee
- ▶ Yellow jacket

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(a) Ants (genus *Pseudomyrmex*) in acacia tree



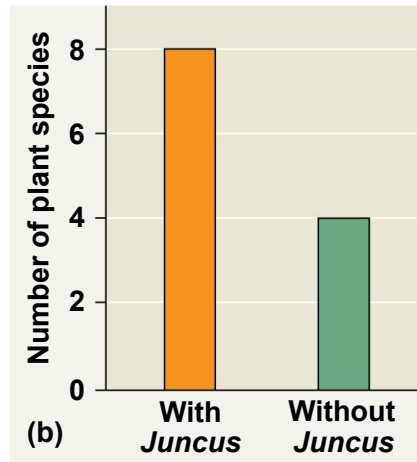
(b) Area cleared by ants around an acacia tree

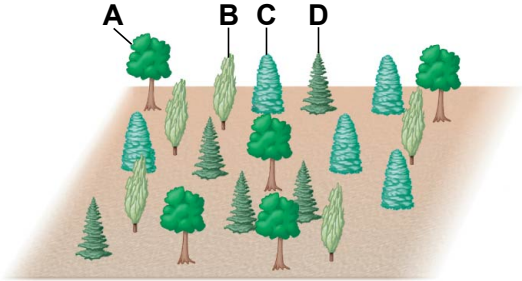
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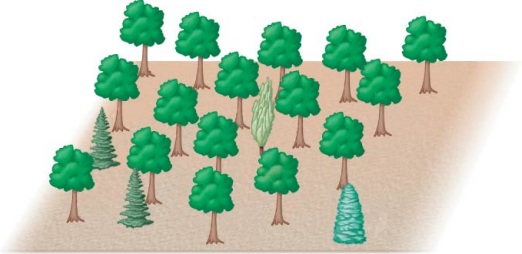


(a) Salt marsh with *Juncus* (foreground)





Community 1
A: 25% B: 25% C: 25% D: 25%



Community 2
A: 80% B: 5% C: 5% D: 10%



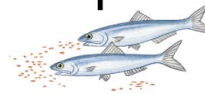
Quaternary consumers:
carnivores



Tertiary consumers:
carnivores



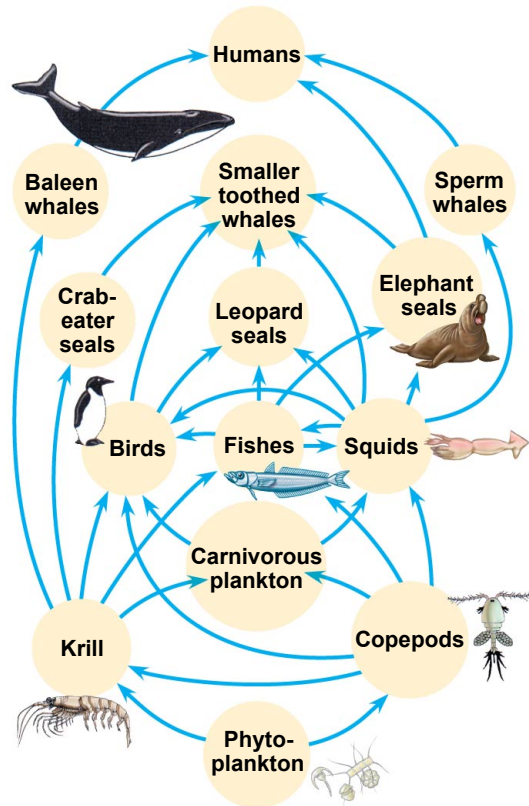
Secondary consumers:
carnivores



Primary consumers:
herbivores and zooplankton



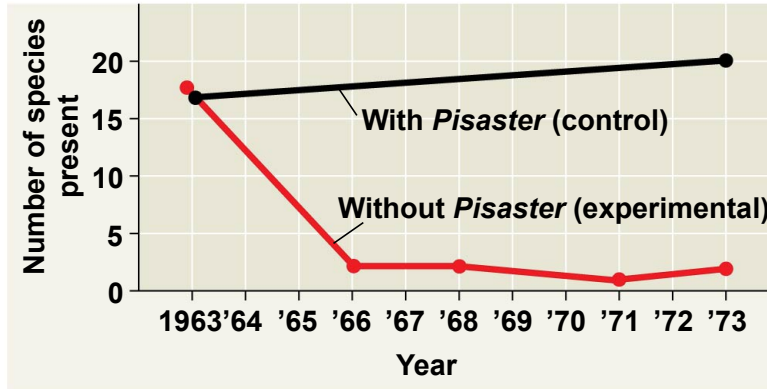
Primary producers:
plants and phytoplankton

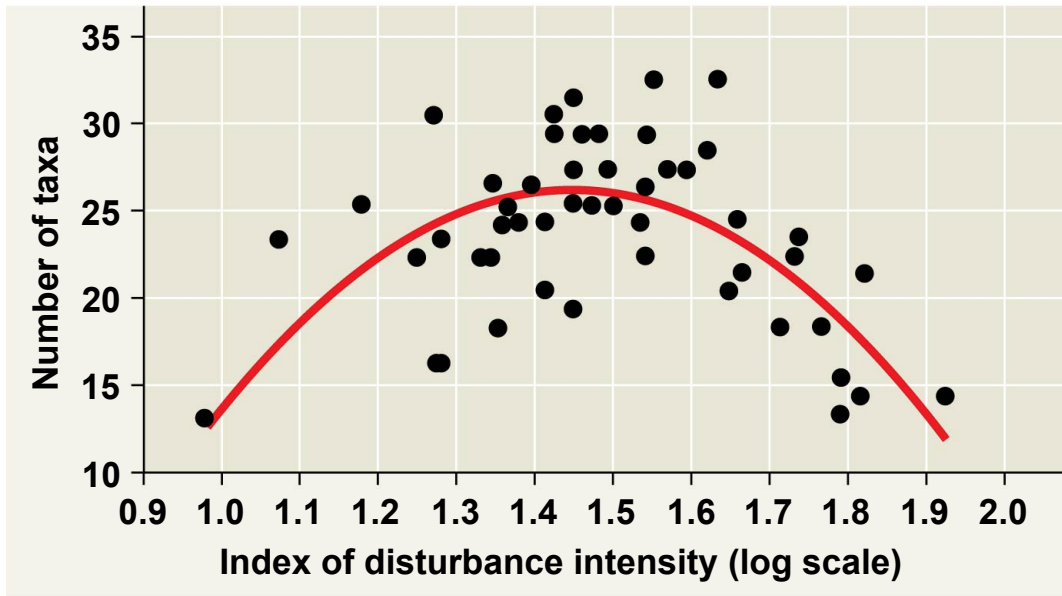


Experiment



Results

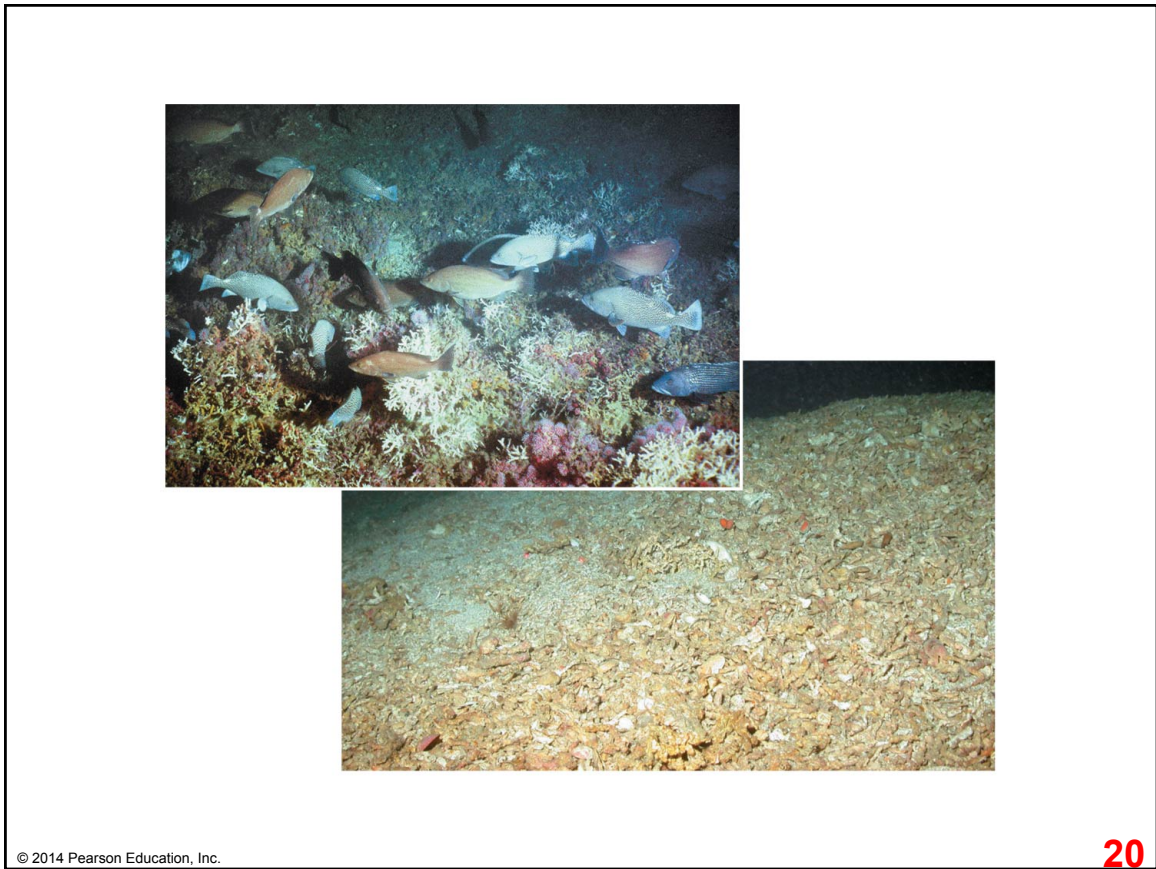
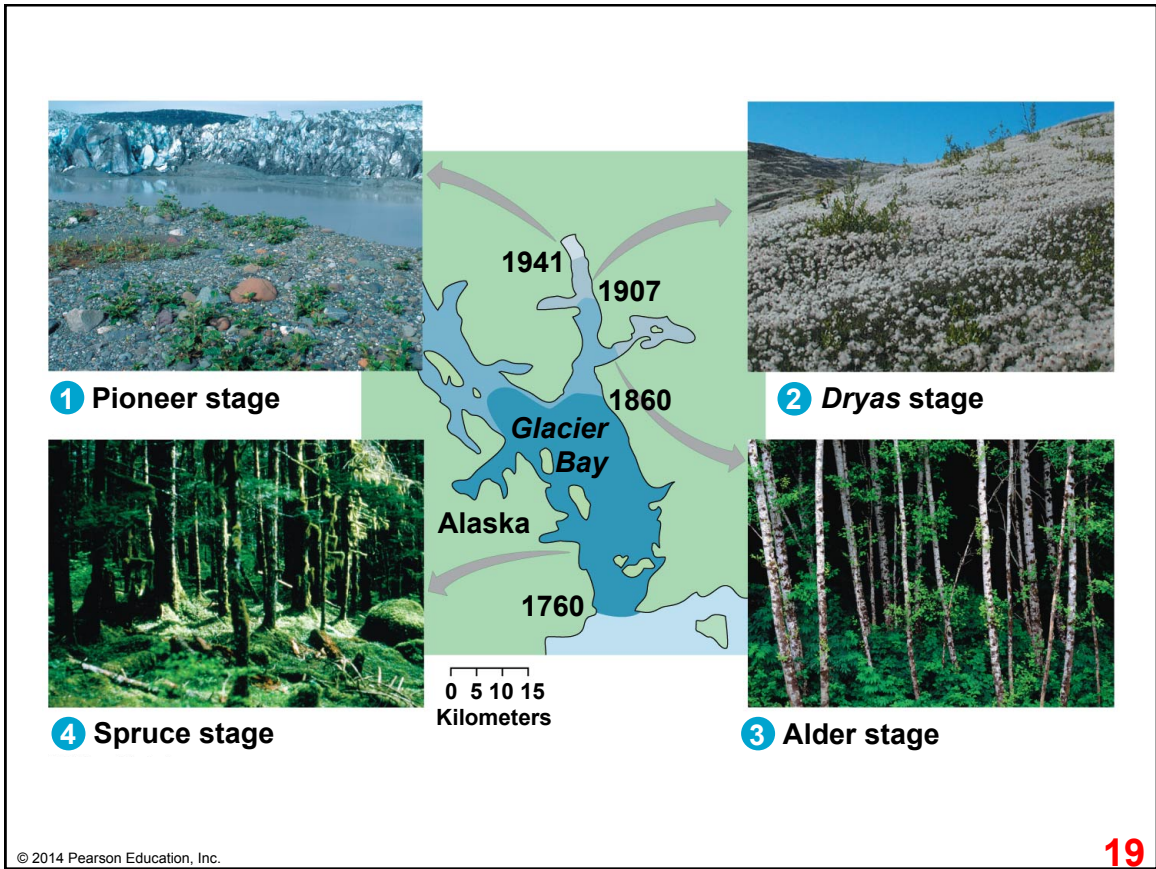


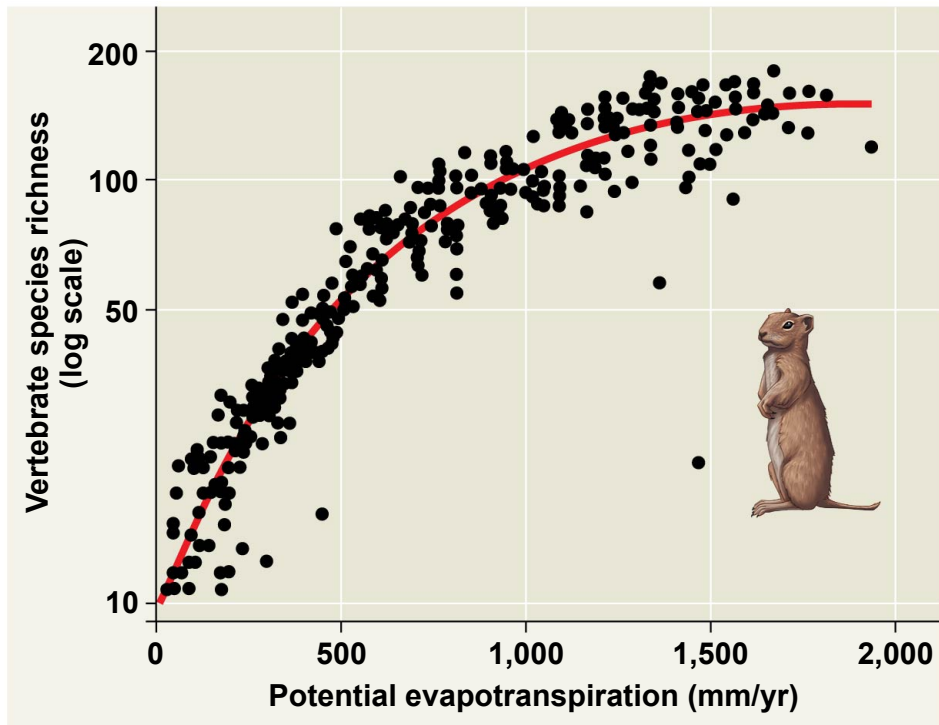


(a) Soon after fire

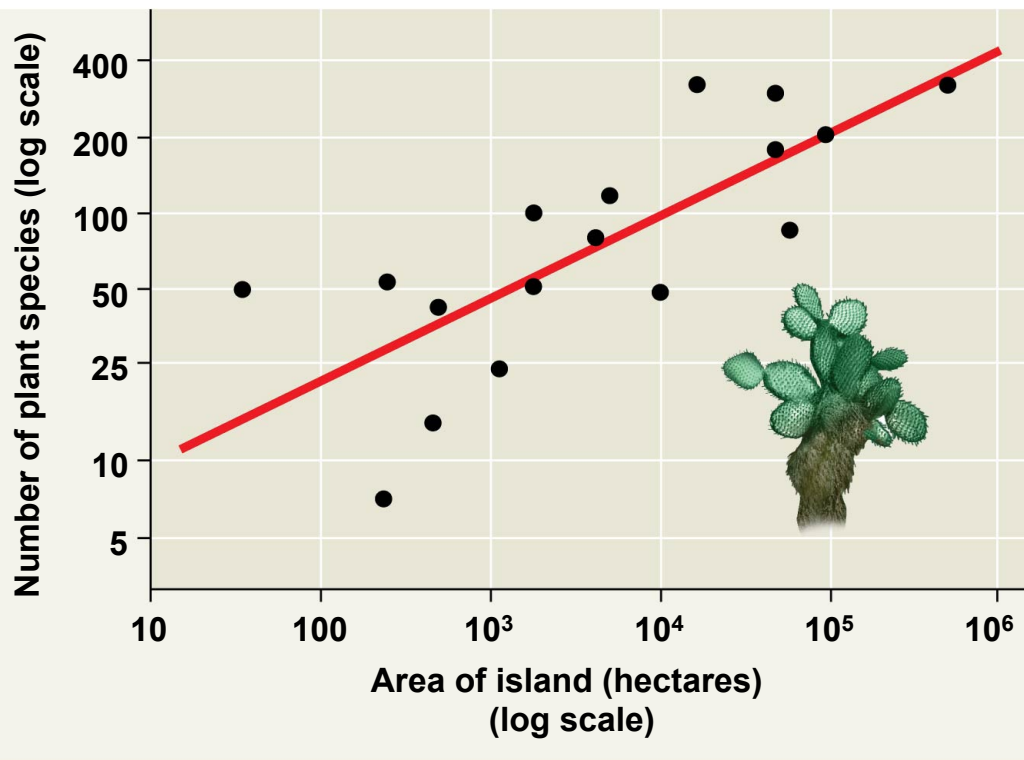


(b) One year after fire





Results





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