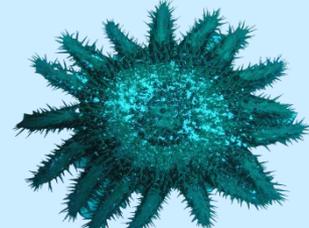
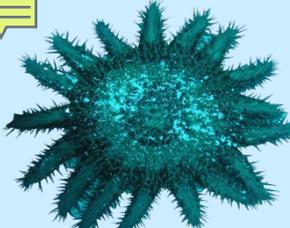




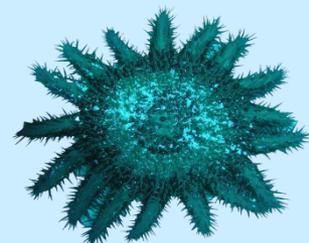
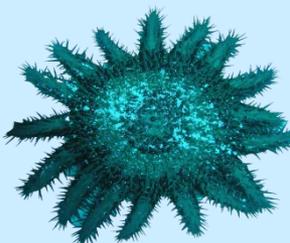
Invasive Species

Grade 4 Unit 3



Topics Covered

- key definitions
- means of invasion
- characteristics and examples of invasive species
 - What can be done?



Native and Non-Native Species

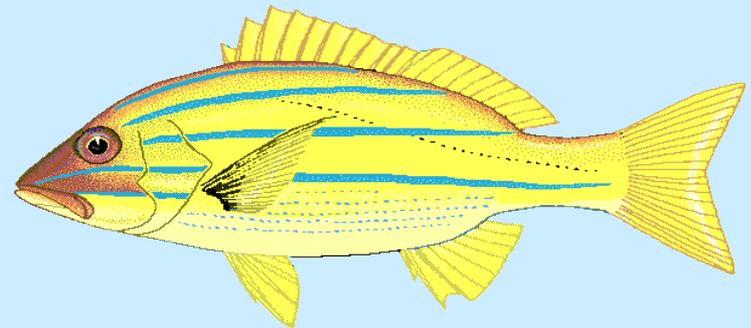


Native Species

an organism that naturally originated and evolved in a particular region

Non-Native Species

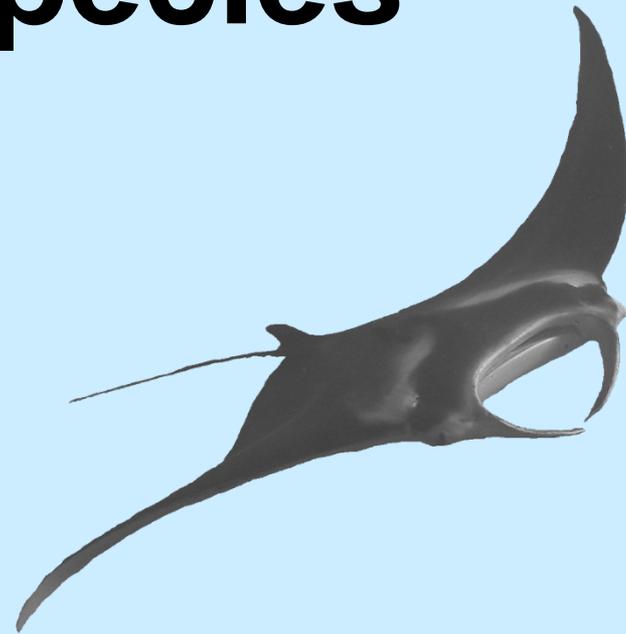
an organism that has been deliberately, or accidentally, transported to its new location



Native Species

Indigenous Species

an organism that arrived at one place from somewhere else on its own, without man's aid



Endemic Species

an organism that evolved in one place and is found only there, and nowhere else on Earth



Non-Native Species

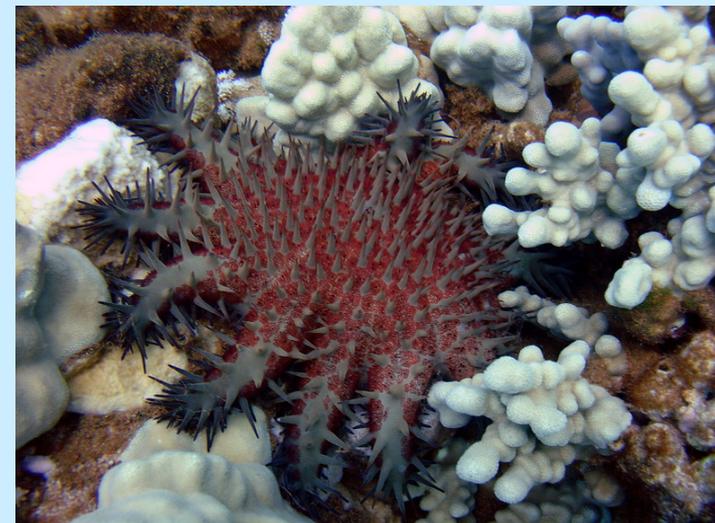


Introduced Species

a species not indigenous to a given place, and that has been accidentally, or deliberately, transported by humans

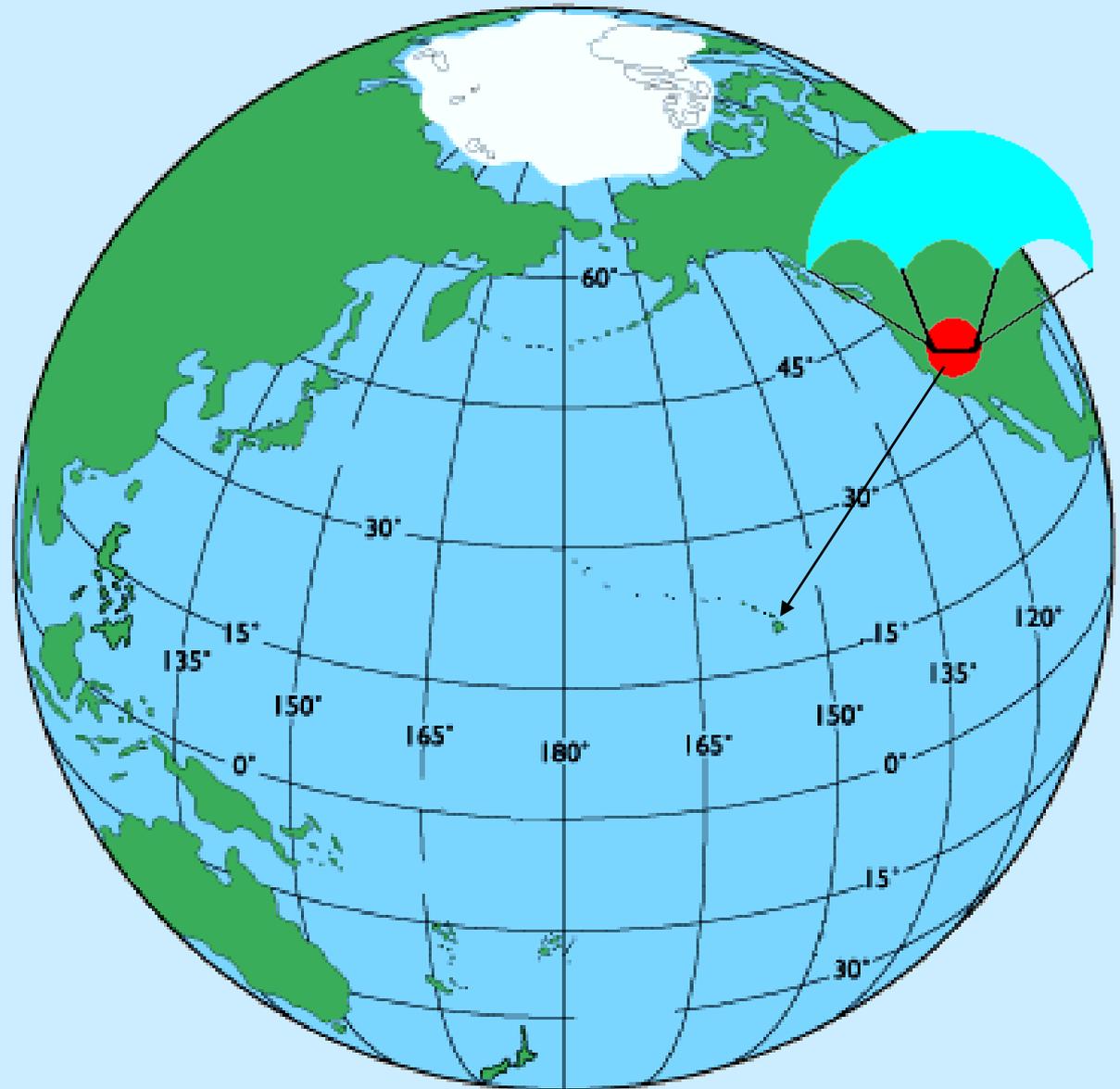
Invasive Species

a species that enters into new ecosystems and spreads, causing damage to native species and their habitats



How do species get here?

- Natural Process
 - migratory animals
 - wind
 - water



Primary Means of Invasion

Human Activities

- ship fouling/ballast water
- fish farming
- aquarium/pet trade
- control other species
- accident



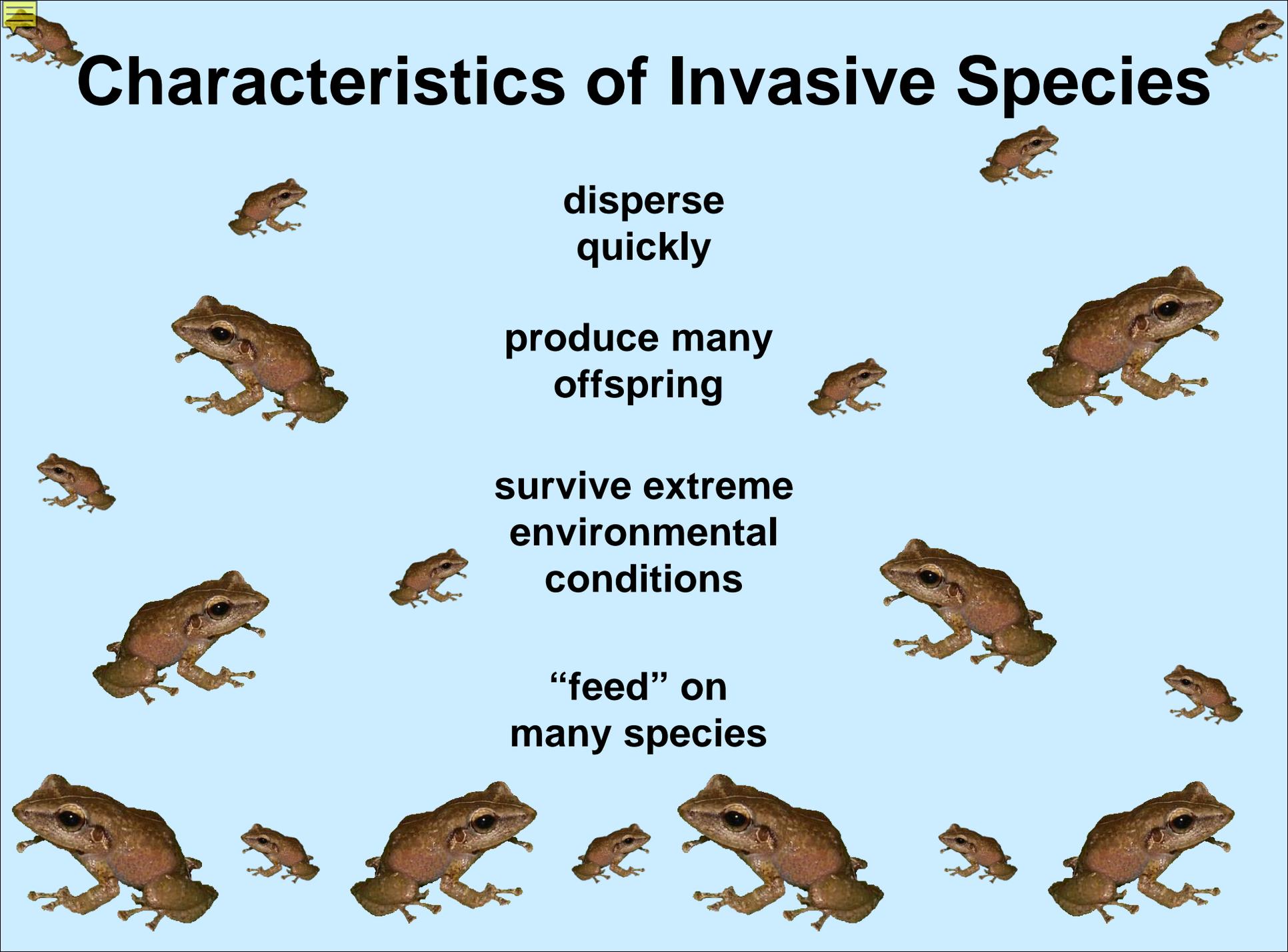
Characteristics of Invasive Species

disperse
quickly

produce many
offspring

survive extreme
environmental
conditions

“feed” on
many species



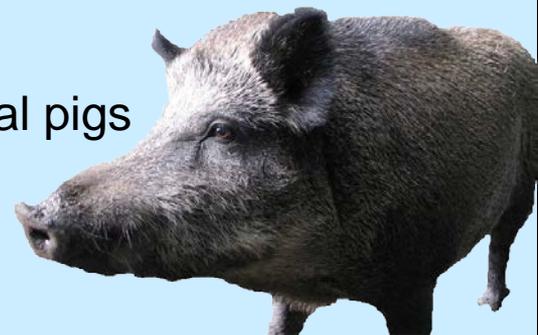
More Invasive Species



barn owl



Miconia



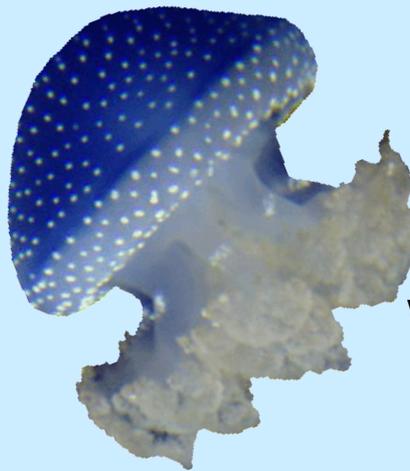
feral pigs



rosy wolf snail



fountain grass

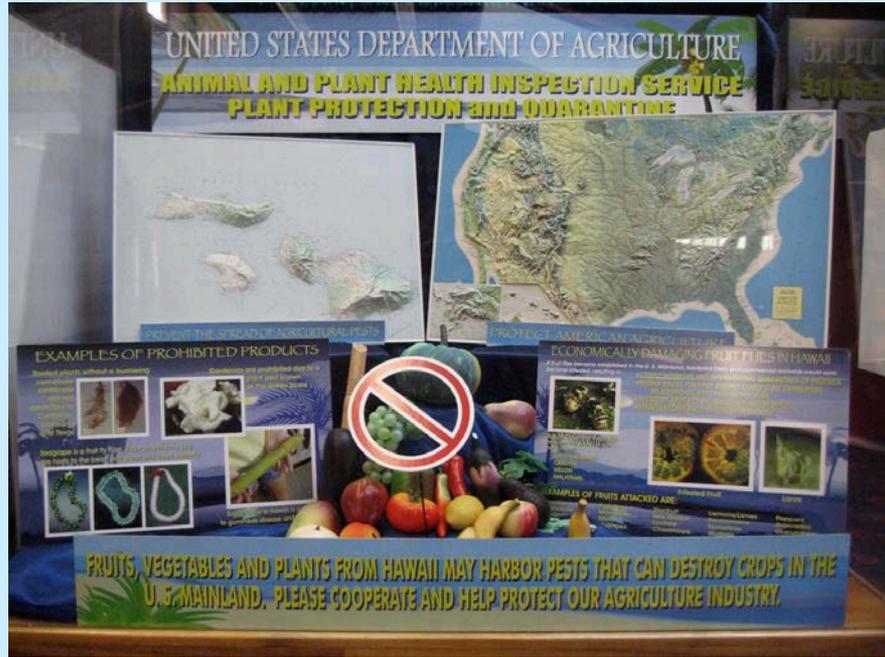


white-spotted jellyfish



strawberry guava

What can be done?



prevention

eradication

containment

control

education



