



HE 'ŌIWI 'ŌE?

HAWAI'I'S NATIVE + INTRODUCED SPECIES



GUIDING QUESTION

WHAT WE'LL LEARN

TIME

MATERIALS

GET STARTED

EXPLORE

What are the differences between native and introduced species?

Did you know that almost 90% of the native land species found in Hawai‘i are endemic? Did you know these endemic species, which are found nowhere else in the world, are threatened by harmful invasive species? But wait a minute, let’s back up a bit. Before these amazing and possibly disturbing facts can really make sense, you first have to understand what all these terms mean.

In this activity, we are going to explore the differences between native and introduced species and the categories that comprise each term. We’ll become familiar with a few plant friends that live in Hawai‘i, and we’ll also explore our own backyard and hunt for some examples of each species! E huaka‘i kākou! Let’s explore!

1 hour

- “Papahana ‘Ōiwi” worksheet on page 3 of this guide
- “He ‘Ōiwi ‘Ōe?” worksheet on page 4 of this guide
- Learning journal or blank pieces of paper

Answer the following questions in your learning journal or on a piece of paper. These are to get our thoughts going and see what we already know, so there are no right or wrong answers!

- **Name the three ways native plants and animals arrived in Hawai‘i.**
- **Give an example of a native and introduced plant and animal.**
- **What are some of the plants you have in your yard? Try to list as many as you can.**

If you can, share your answers with a family member or friend, and ask them to answer the questions, too.

WATCH →

[He ‘Ōiwi ‘Ōe? Hawai‘i’s Native and Introduced Species](#)



As you watch the video, follow along on the “Papahana ‘Ōiwi” worksheet on page 3 of this guide and fill in the boxes with the definitions for each distribution term. You may want to pause the video after each term to give yourself some time to write everything down.

ACTIVITY

INVESTIGATE →

Learn more about the distribution status of some common plants that you may already be familiar with. On the “He ‘Ōiwi ‘Oe?” worksheet on page 4 of this guide, you will find pictures and names (both common and scientific) of plants found in Hawai‘i.

Test your prior knowledge and try to determine whether or not the featured plant is native or introduced to Hawai‘i, just based on what you already know about that plant!

Under each plant name you will find the words “Native” and “Introduced”. Circle the term you feel best describes the plant. Once you’ve made your best guess, use the online resources listed in the “Explore More, Research →” section at the bottom of this page to research each species and determine their distribution status here in Hawai‘i. As a bonus, you can also include the country of origin for the introduced species. You may be surprised at what you discover! (Answers on the bottom of this page)

REFLECT

Answer these questions in your learning journal or on a piece of paper →

- Answer this question again: **How did native plants and animals arrive in Hawaii? Give an example of an endemic and indigenous species.**
- **Do you have any native plants in your yard? If yes, what are their names? Were they planted or are they growing naturally?**
- **Do you have any invasive species in your yard? If yes, what are their names? Does your family do anything to control or get rid of them?**
- **Are all introduced species invasive?**

If you can, share your answers with a family member or friend.

EXPLORE MORE

Type webpage titles into search engine to access links if using a hard copy of this guide.

WATCH →

[Nowhere Else on Earth: Indigenous Plants of Hawaii](#) (8 mins)

[Introduced Species and Biodiversity](#) (10 mins)

[Onward: Hawaii Botanist Races to Save Rare Plants](#) (4 mins)

[National Geographic Invasive Species 101](#) (3 mins)

[TEDEd Invasive Species](#) (5 min)

RESEARCH →

[Bishop Museum Ethnobotany Database](#)

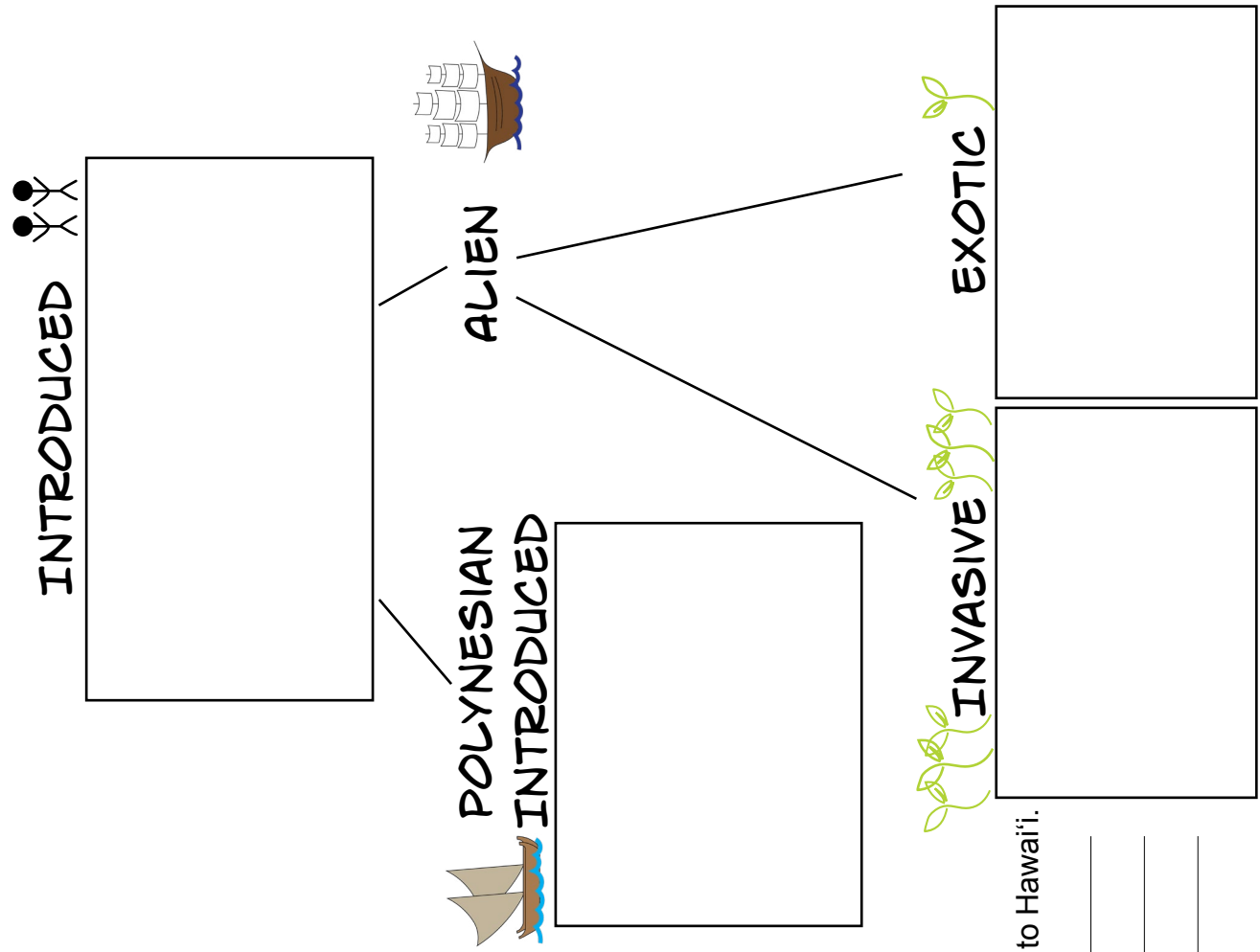
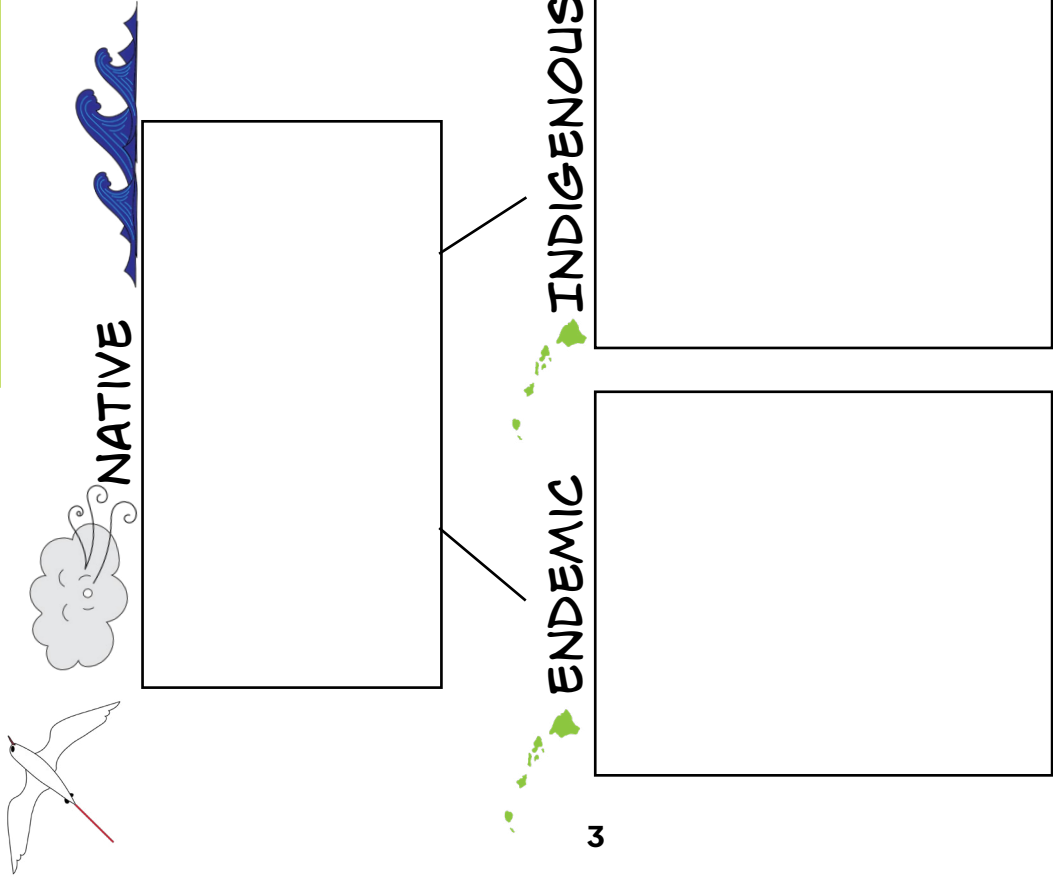
[Big Island Invasive Species Committee \(BIISC\)](#)

[Native Plants Hawai‘i](#) (Native Plant Database)

Plumeria: Introduced/ Exotic, Kukui: Introduced/ Polynesian Introduced, Naupaka: Native/ Indigenous, Kahili ginger: Introduced/ Invasive, Kupukupu: Native/ Indigenous, ‘Ōhi‘a: Native/ Endemic, Waiawi: Introduced/ Invasive, Anthurium: Introduced/ Exotic, Hala: Native/ Indigenous, Lā‘i: Introduced/ Polynesian Introduced

PAPAĀHANA 'ŌIWI

DISTRIBUTION DIAGRAM



Provide at least one example of why native species are important to Hawai'i.

HE 'ŌIWI 'ŌE?

ARE YOU NATIVE?



PLUMERIA

(*Plumeria* spp)

NATIVE INTRODUCED

Distribution status:



'ŌHI'A

(*Metrosideros polymorpha*)

NATIVE INTRODUCED

Distribution status:



KUKUI

(*Aleurites moluccana*)

NATIVE INTRODUCED

Distribution status:



WAIAWĪ

(*Psidium cattleianum*)

NATIVE INTRODUCED

Distribution status:



NAUPAKA

(*Scaevola taccada*)

NATIVE INTRODUCED

Distribution status:



ANTHURIUM

(*Anthurium andraeanum*)

NATIVE INTRODUCED

Distribution status:



KĀHILI GINGER

(*Hedychium gardnerianum*)

NATIVE INTRODUCED

Distribution status:



HALA

(*Pandanus tectorius*)

NATIVE INTRODUCED

Distribution status:



KUPUKUPU

(*Nephrolepis cordifolia*)

NATIVE INTRODUCED

Distribution status:



LĀ'Ī

(*Cordyline fruticosa*)

NATIVE INTRODUCED

Distribution status:

