



# Marine Life Scrapbooks

Your assignment is to make a scrapbook about Hawaiian marine plant and animal species. Your scrapbook will include a summary of what you have learned about these species as well as more information based on research.

## Guidelines for Your Scrapbook

- 1) Include three or more different marine species, using at least one page for each species.
- 2) For each species, include the following information:
  - All of the names for this species you can find, including scientific, common, Hawaiian, and other languages
  - A summary of the biology and natural history of this species  
(The summary for each species should include information about its trophic level, relationships with other marine organisms, habitat, and adaptations.)
  - Information about the cultural significance and uses of this species  
(You do not need to limit this information to the traditional Hawaiian significance and uses of these species. Other cultures that have been important in creating the modern Hawaiian culture and society may also attach significance to these species and use them in different ways.)
  - Drawings or photographs of the species and other images that help convey what you have learned about this species

## Ideas

- Use species you studied in this unit or species that are significant to you or members of your family, or start by looking at “Marine Species Important in Hawaiian Culture” below as a starting point. It lists many marine species that are important in traditional Hawaiian culture.
- Research the natural history and cultural significance of plants and animals by doing library or Internet research. As you find information, add it to your scrapbook. See the “Resources List” below for suggested starting points.
- Look for stories or legends having to do with marine species.
- Ask family members and friends (especially *kūpuna*) for information, stories, recipes, or any sort of personal experiences that they have with the species.
- Include your own personal experiences in the scrapbook.
- If you find a good “informant,” you may audio- or videotape that person, in addition to taking notes. This can become part of your scrapbook, too.



## Marine Species Important in Hawaiian Culture

### Limu (Seaweeds)

- *Limu kala* (*Sargassum echinocarpum*)
- *Limu kohu* (*Asparagopsis taxiformis*)

### Invertebrates

- *Kūpe'e* (Polished nerite, *Nerita polita*)
- *Leho ahi* (Humpback cowry, *Cypraea mauritiana*)
- 'Opihi (Hawaiian limpet, *Cellana* spp.)
- *He'e* (Octopus, *Octopus* spp.)
- *Wana* (Long-spined sea urchin, *Echinothrix calamaris* and *diadema*)

### Vertebrates

- *Manō* (Sharks)  
(Tiger shark *Galeocerdo cuvier*, Whitetip reef shark *Triaenodon obesus*, Gray reef shark *Carcharhinus amblyrhynchus*, and others)
- 'Ahi (Yellowfin tuna, *Thunnus albacares*)
- *Āholehole* (Hawaiian flagtail, *Kuhlia sandvicensis*)
- *Akule* (Bigeye scad, *Selar crumenophthalmus*)
- 'Ama'ama (Striped mullet, *Mugil cephalus*)
- 'Āweoweo (Hawaiian Bigeye, *Priacanthus meeki*)
- *Kūmū* (Whitesaddle goatfish, *Parupeneus porphyreus*)
- *Manini* (Convict tang, *Acanthurus triostegus*)
- *Moi* (Six-fingered threadfin, *Polydactylus sexfilis*)
- *Mū* (Bigeye emperor, *Monotaxis grandoculis*)
- *Palani* (Eyestripe surgeonfish, *Acanthurus dussumieri*)
- *Pūhi* (Moray eels, including Yellowmargin moray eel *Gymnothorax flavimarginatus* and others)
- *Uhu* (Parrotfishes, including Bulettehead parrotfish *Chlorurus sordidus*, Palenose parrotfish *Scarus psittacus*, Spectacled parrotfish, *Scarus perspicillatus*, and others)

## Resource List

Abbott, Isabella, and E. H. Williamson, *Limu — An Ethnobotanical Study of Some Edible Hawaiian Seaweeds* Pacific Tropical Botanical Garden, Lawai (Hawaii), 1974.

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Hobson, Edmund S. and E. H. Chave, *Hawaiian Reef Animals*, University of Hawai'i Press, Honolulu, 1990.

Hoover, John P., *Hawaii's Fishes, A Guide for Snorkelers, Divers and Aquarists* 3rd ed., Mutual Publishing, Honolulu, 1996.

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Titcomb, Margaret, *Native Use of Fish in Hawaii*, University of Hawai'i Press, Honolulu, 1972.

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Wyban, Carol Araki, *Tide and Current: Fishponds of Hawai'i*, University of Hawai'i Press, Honolulu, 1992.