

# Mālama Wai Ola Program

## Fish Anatomy and Classification Grades 5-7

- Lesson's one and two may be combined in one classroom visit.
- No more than 40 students may participate
- The completion of the dichotomous key and the wacky creature worksheet will be used as an evaluation.

**Lesson One:** A power point lesson on fish anatomy and classifying different fish species. We will also define what a dichotomous key is and learn how to use it. After the power point lesson, students will work with instructor to label the parts of a fish drawing on the board. This portion of the lesson will be like pin the tail on the donkey (except with fish parts and no spinning or blind fold). Students will learn the important parts of a fish and how these characteristics help fish to survive (eat, protect themselves, etc.)

**Lesson Two:** Using a dichotomous key and creating your own dichotomous key. The students will learn how to use a dichotomous key to identify some made up creatures so that they are able to familiarize themselves with the process of using the key. Then they will create their own key to be used during the site visit at Hualālai.

### Hualālai Site Visit

Visit King's Pond and Waiakauhi fishpond. Students will be given the chance to feed the papio at Waiakauhi fishpond and observe their behaviors as predators. During a fish feeding at King's Pond, students will use their dichotomous key to identify two species of butterfly fish. Once they are identified the student will draw and label the parts of one of the butterfly fish that they've identified.