KIDS for the BAY

A Project of **Earth Island Institute**
1771 Alcatraz Avenue, Berkeley, CA 94703
Tel: (510) 985-1602 | Fax: (510)-547-4259
www.kidsforthebay.org
Mandi Billinge, Executive Director/Founder

Experiments and More

Fish and Crab Investigation

Activity Summary

Learn about the anatomy (body parts) of the Dungeness crab and striped bass fish that live in the San Francisco Bay.

Directions

Full activity directions

1. Assemble your coloring supplies!
2. Print a worksheet
    a. If you cannot print, try to draw the fish and crab you see on the computer and label all the parts.
3. Do both sides of the worksheet
4. Questions to consider while coloring:
    a. An *adaptation* is a body part or behavior that helps an organism (living thing) survive in its habitat. For example, crab claws help the crab catch or grab food. How are the other body parts of the fish and crab adaptations?
    b. A *food chain* shows which animals and plants are related to each other by what they eat. After you draw what your animal eats and what might eat your animal in the bottom boxes, think about what would happen if part of that food chain disappeared?

Location

Your own house. If you have a porch or table outside, think about working there.

Supplies

- One printed worksheet
- Colored pencils, crayons or markers

Additional resources and related activities

- Find our Bird Watching activity on our website to discover more animals in our environment!
- Look for crab shells at the bay shoreline or fish and crab at the grocery store! If you are a very careful and gentle scientist, you can even find living green shore crabs hiding under rocks on the shoreline.
- Watch this video of a crab molting, or removing its old shell. Pay attention to the little white shells on the crab's carapace (shell). Those are barnacles that use fan-like feet to catch food

Share your experience with us!

Email kidsforthebay@gmail.com to share photos, videos, comments or questions.
Tag us on Instagram and Facebook @kidsforthebay. Use **#EveryDaywithNature** in your posts.

(plankton) floating in the water! Once the crab is out of its shell, it has to hide to protect itself from predators and grow into and harden a new shell. Then it can finally eat the tasty barnacles!

- Dungeness Crab Molting: https://vimeo.com/68533947

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Name: _____

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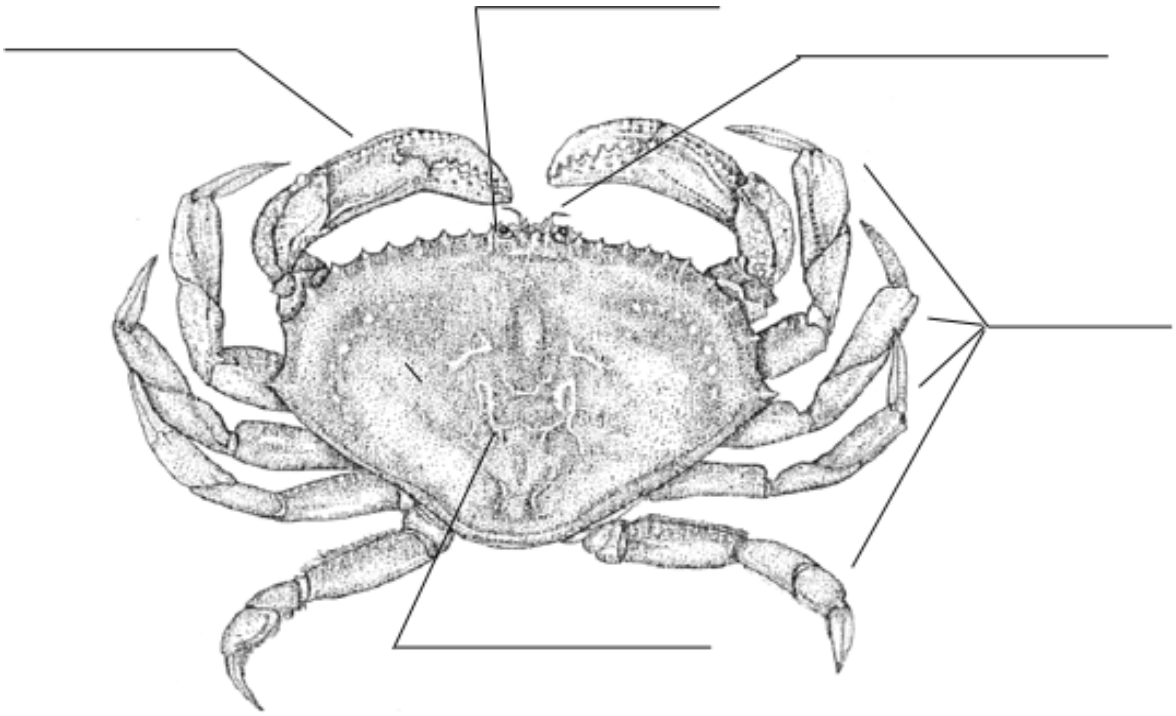
CRABS

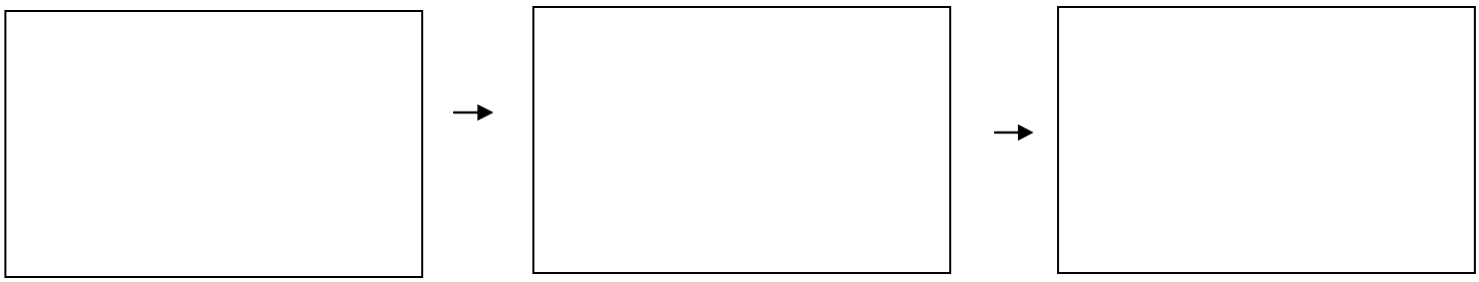
1. **Draw** a line to match the body part (A) to how it is used (B).

A	**B**
O Claw	O help the crab move
O Antenna	O helps the crab see
O Carapace (shell)	O helps the crab sense what is around it (smell and feel)
O Walking legs	O helps protect the crab's organs (like the heart)
O Eye	O helps the crab protect itself and catch food

2. **Label** the crab using the body parts listed above.



3. **Draw** and **label** a food chain that includes the Dungeness crab.



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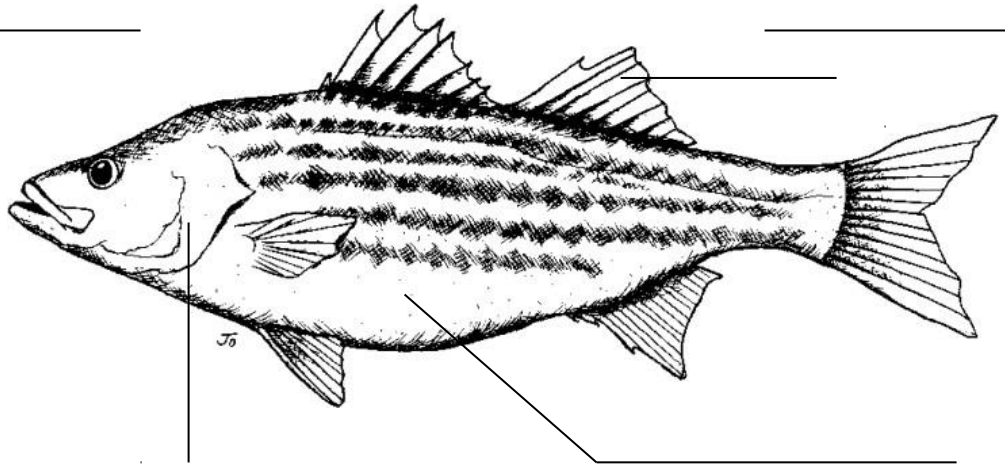
FISH

1. **Draw** a line to connect the body part (A) to the action (B).

A	**B**
Scales	help the fish move
Gills	helps the fish eat
Fins	help protect the fish
Mouth	help the fish to breathe

2. **Label** the parts of a fish using the body parts listed above.



3. **Draw** and **label** food chain that includes the striped bass.