Milstein Hall of Ocean Life Student Worksheet | GRADES 3-5

Patterns in Fishes

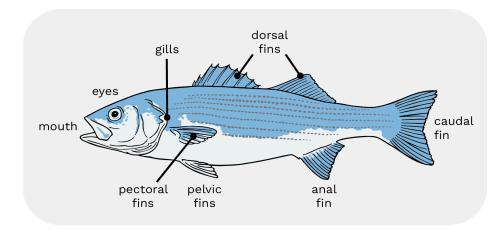
Welcome to the Milstein Hall of Ocean Life!

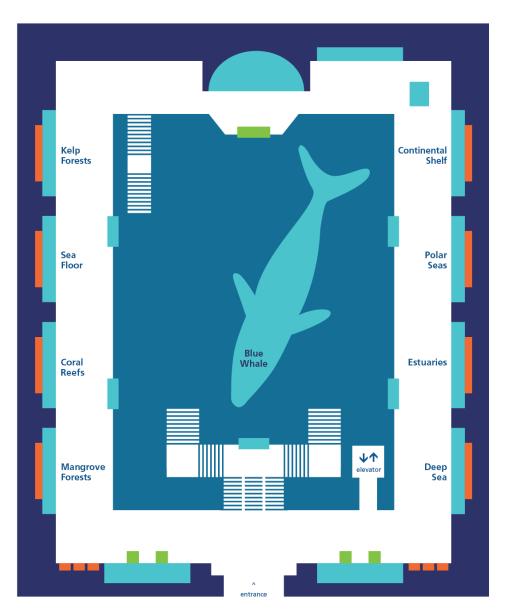
Many kinds of fish live in our oceans. And they live in many kinds of marine ecosystems.

Fishes can look very different, but they all share basic body parts. Visit three ecosystem exhibits to explore three fishes and find patterns of their shared traits.

THINGS TO KNOW

- MAP: Use the map to help you find and pick three ecosystem exhibits on the upper level of the hall.
- **FISH:** Use this picture to help you identify and label the body parts of each fish that you sketch.





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INSTRUCTIONS: Pick 3 ecosystems on the upper level of the hall. Pick 1 fish in each ecosystem. Sketch it and label its body parts.

| | ECOSY | STEM #1 | ECOSYSTEM #2 | | | | | |
|---|--|---|--|---|--|---|-------------------|--|
| Continental ShelfCoral Reefs | Deep SeaEstuaries | Kelp ForestsMangrove Forests | Polar SeasSea Floor | Continental ShelfCoral Reefs | Deep SeaEstuaries | Kelp ForesMangrove | | |
| Fish species name: | | | | _ Fish species name: | | | | |
| Sketch the fish. Label | as many body pa | arts as you can find (draw | a line). | Sketch the fish. Label | as many body pa | rts as you can fi | nd (draw a line). | |
| mouth | eyes | gills dorsal f | fins | mouth | eyes | gills | dorsal fins | |
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| | | | | | | | | |
| pectoral fir | ns pelvic fin | ns anal fin ca | udal fin | pectoral fir | ns pelvic fir | ns anal fin | caudal fin | |
| Describe the fish's col | ors: | | | Describe the fish's col | ors: | | | |
| | | | | | | | | |

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| ECOSY | STEM #3 | | Find the Patterns | | |
|--------|--|---|--|--|--|
| | | _ | Compare the three fishes that live in the three marine ecosystems. Compare their colors, body shape, and body parts. What patterns do you notice about the traits they have in common? | | |
| a eyes | gills dorsal i | fins | 2. Walk around the giant blue whale model. It looks like it's swimming above you in the open ocean! Compare this mammal to the three fishes. What traits does the blue whale have in common with the three fishes? | | |
| | ns anal fin ca | udal fin | What traits does the blue whale have that the three fishes do not? (For example: How many fins does the whale have compared to the fishes?) | | |
| | □ Deep Sea □ Estuaries as many body pa □ eyes | as many body parts as you can find (drawn eyes gills dorsal fines pelvic fins anal fines can be seen as pelvic fines as pelvic | □ Deep Sea □ Kelp Forests □ Polar Seas □ Estuaries □ Mangrove Forests □ Sea Floor as many body parts as you can find (draw a line). a eyes gills dorsal fins as pelvic fins anal fin caudal fin | | |