

School _____ Name _____

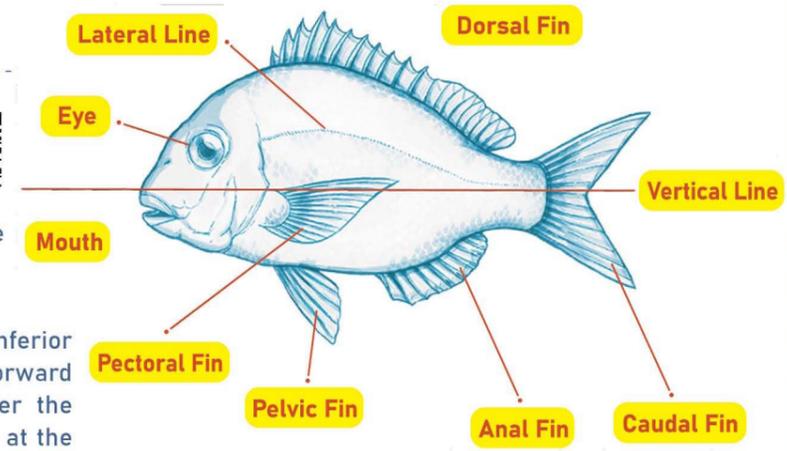
The Fish Sold at the Fish Market

Please take a look at the results of our fish survey from March 2023 to February 2024 at Daxi Fishing Port and Nanfang'ao Fishing Port. Table 1 shows the fish species caught in the highest numbers each month, and Table 2 shows the fish species sold by the most vendors each month. My question is:

- A. Look at Table 1. Which SPECIES of fish is the easiest to buy at the fish market this month?
- B. From Table 2, which SPECIES of fish is sold the most by vendors this month?
- C. Which SPECIES of fish do you eat most frequently? Please write down their names:

B) Fin Structure Fins are mainly divided into dorsal fin, pectoral fins, pelvic fins, anal fin, and caudal fin. Fins are essential for swimming. The dorsal fin can sometimes be split into two sections. The caudal fin (tail fin) can be many shapes: forked, triangular, linear, crescent-shaped, and more. Some fish may have missing anal fins.

C) lateral line This is an important sensory system for fish. It helps them detect the direction of water flow and the water pressure created by approaching predators, allowing them to evade them. Observe whether the lateral line is curved, straight, or other patterns.



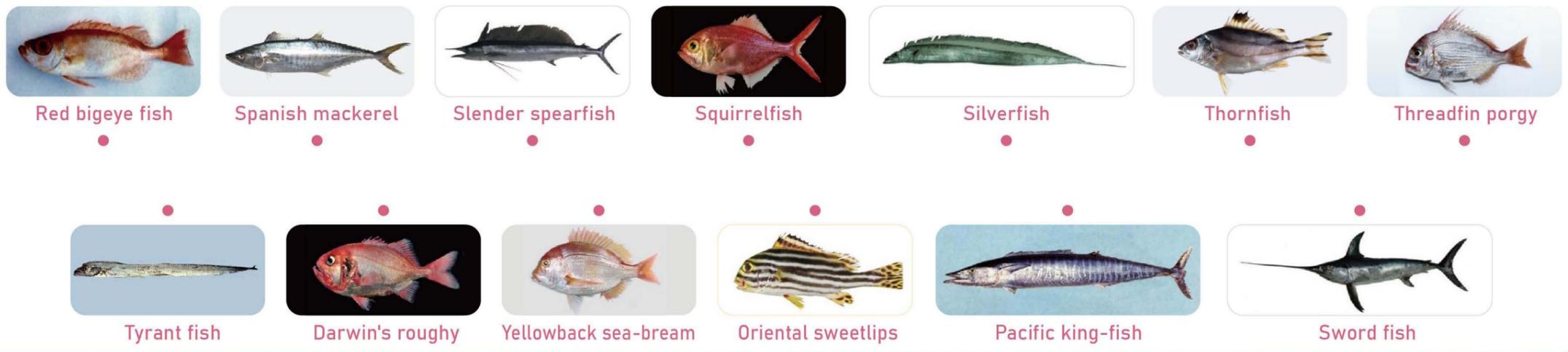
If you like these fish models, you can scan the QR code to download them.

How to identify fish species? We can observe it from the head to the tail, step by step.

A) Mouth The mouth affects how a fish feeds. Check the mouth if it opens downward (inferior mouth), upward (superior mouth), or forward (terminal mouth). Draw a vertical line over the fish's body to see if the mouth is positioned at the top, middle, or bottom of the line.

The Uncles of Fish

In traditional society, people often say, "In the sky, there's the Jade Emperor; on earth, there's the uncle," showing how important uncles are in the family. In the fish market, there are also many fish called "○○ uncle." Even though they're not really relatives, they look alike very much! Now, let's find some fish that looked like uncles and their nieces or nephews, and see what differences they have in appearance. Carefully observe these fish, connect the ones that look alike, then use puppets to compare their looks, and circle the parts that are different!



There are Tigers in the Sea

In nature, tigers are apex predators, positioned at the top of the food chain. Fishermen also use the predator-prey relationship to name fish species, which is why some fish's names include the word "tiger," symbolizing their roles as predators of other fish.

Carefully examine the introductions and observe these puppets. Let's find out who ate whom!



Predator	Prey
This fish has a larger body with the upper half being blue-green and the lower half yellow. It swims very quickly, and the mature males have heads that look like a cleaver.	When being chased, this fish will spread its well-developed pectoral fins and glide above the surface of water. Almost as if it is flying.
This fish's body resembles a crescent-shaped blade. Although its size is similar to its prey, its mouth can expand to catch other fish.	In Yilan's fish markets, this species of fish is often sold. It has a red, diamond-shaped body. If you look closely, you can also see its exposed teeth.
Its body resembles a bullet, allowing it to swim extremely fast in the water, almost like a bullet being fired. The upper part of its body has many horizontal stripes, resembling flowing water.	Its body also resembles a bullet, but it is smaller in size. If you look closely, you'll see three black spots on its belly, which is why it is commonly called "Three-Spot Fish" in the market.

Let's Have a Party

Now, let's prepare our own feast. Which seafood would you choose to serve? Steps:

- Please use the blue basket to select 5 species of fish as ingredients for today's feast.
- Refer to page 3 of the "Seafood Guide Taiwan" handbook, what "Seafood Classification Light" do your selected fish belong to?
- Check the names and the "Seafood Classification Light" colors of the fish you selected (Green on page 4, Orange on page 10, Red on page 18). Compare their colors and the meaning of their representations.
- Please help us return the selected fish to the original basket. Next time when buying fish, you'll have a clearer understanding of which seafood is sustainable.



If the "Taiwan Seafood Selection Guide" useful for YOU in the future, feel free to take it. You can also leave it to the next visitor!



No.	Name of FISH	Seafood Classification Signal
1		<input type="checkbox"/> Green Light <input type="checkbox"/> Orange Light <input type="checkbox"/> Red Light
2		<input type="checkbox"/> Green Light <input type="checkbox"/> Orange Light <input type="checkbox"/> Red Light
3		<input type="checkbox"/> Green Light <input type="checkbox"/> Orange Light <input type="checkbox"/> Red Light
4		<input type="checkbox"/> Green Light <input type="checkbox"/> Orange Light <input type="checkbox"/> Red Light
5		<input type="checkbox"/> Green Light <input type="checkbox"/> Orange Light <input type="checkbox"/> Red Light

The materials and display racks used in this exhibition are all repurposed! Let's take care of the Earth and cherish our resources together.