



Name: _____

Date: _____

Worksheet: Observation and Analysis of the Ocean Food Chain

1. Observe the specimens and pictures of the sardine, mackerel and yellowtail. Notice and draw the mouth in the chart below. Pay attention to the direction the mouth points and size.

	Pacific Sardine	Pacific Mackerel	Yellowtail
Length	Up to 16 inches; average 9 inches	Up to 25 inches; average 16 inches	5 feet
Mouth			

2. These fish are part of the same food chain. Define a food chain.

3. Based on your observations, infer which fish eats which fish and record it below.

_____ → _____ → _____

a. What observation helped you infer which fish eats which fish?

b. What does the (→) mean in a food chain?

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4. Ocean Food Chain Game Data Table

	Pacific Sardine	Pacific Mackerel	Yellowtail
Round 1 (Initial population)			
Round 1 (Final population)			

5. What changes occurred during each round (e.g. pesticides introduced, new predator)? In the following table, record what change was made and how it influences the population of each fish.

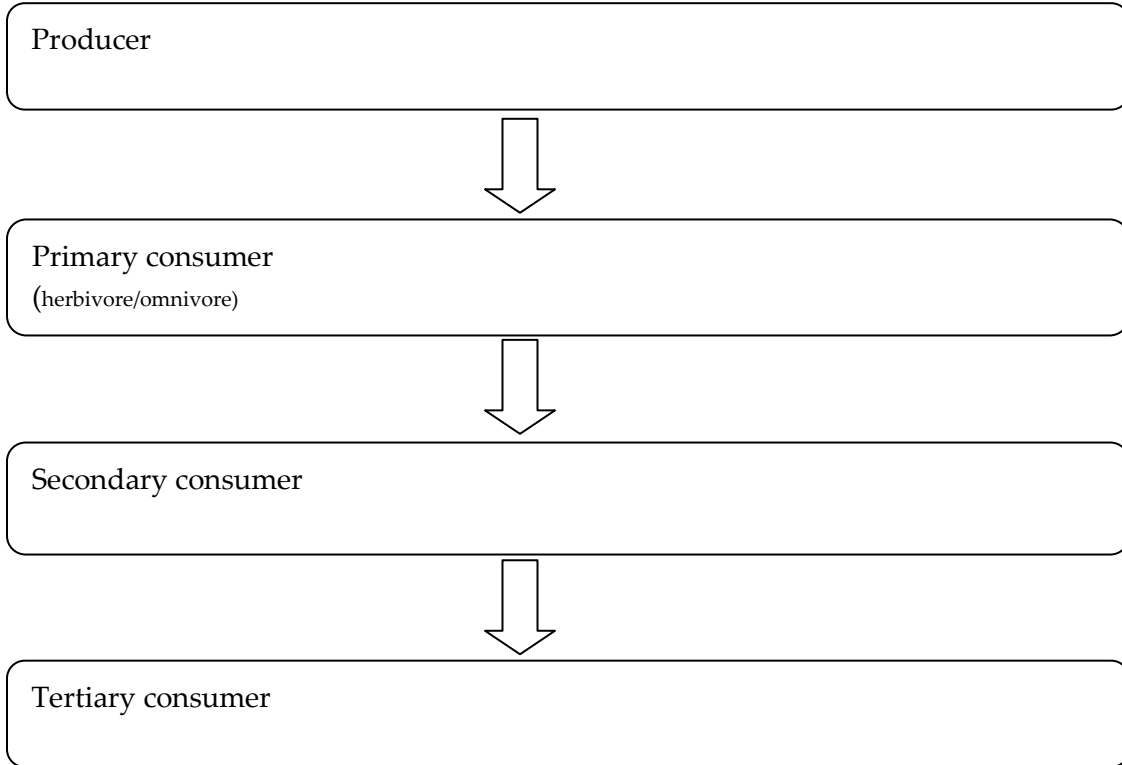
Changes per round	Pacific Sardine	Pacific Mackerel	Yellowtail

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6. Complete the graphic organizer by listing each of the organisms by trophic level.

Habitat: _____



7. How are producers and consumers related in a food chain?
