

Marine Food Web

| Trophic Level | Organism | Autotrophs | Location in Habitat | Consumed by: |
|---------------------|-------------------|------------|--|---|
| P | Turtle grass | A | Littoral zone | Manatees |
| P | Eel grass | A | Littoral zone | Not eaten |
| P | Shoal grass | A | Littoral zone | Manatees |
| P | Manatee grass | A | Littoral zone | Manatees |
| P | Widgeon grass | A | Littoral zone | Manatees |
| P | Diatoms | A | Littoral zone | Scallops, crabs, shrimp |
| P | Dinoflagellates | A | Open ocean – phytoplankton | Zooplankton |
| P | Green algae | A | Open ocean – phytoplankton | Sea turtles, zooplankton, sea urchins |
| P | Red algae | A | Open ocean – phytoplankton | Fish, crabs, zooplankton, sea urchins |
| P | Brown algae | A | Open ocean – phytoplankton | Sea stars, crabs, sea urchins |
| P | Sargassum | A | Littoral zone and open ocean | Sea turtles |
| P | Sea lettuce | A | Open ocean – floating plant-like algae | Conch, fish larvae |
| Consumers: | | | | |
| Heterotrophs | | | | |
| 1 | Scallops | O | Plankton | Starfish |
| 1 | Zooplankton | H | Algal cells (phytoplankton) | Oysters, scallops, sea stars |
| 1 | Conch | H | Seagrasses | Lemon sharks, sea turtles, octopi, crabs |
| 1 | Krill | H | Algal cells (phytoplankton) | Lanternfish |
| 1 | Oysters | O | Plankton | Starfish |
| 1 | Oithona | H | Algal cells (phytoplankton) | Fish larvae, squids |
| 1 | Fish larvae | H | Seagrasses, algae | Crabs, lanternfish, sea stars |
| 1 | Crab | O | Seagrasses, algae, sea stars | Octopi, squids, emperor angelfish, lemon sharks |
| 1 | Shrimp | O | Seagrasses, algal cells | Lanternfish |
| 1 | Manatee | H | Seagrasses | None |
| 2 | Emperor angelfish | C | Worms, sponges, coral animals, shrimp | Jellyfish, squids, octopi |
| 2 | Squid | C | Fish, copepods, krill | Dolphins |
| 2 | Octopus | C | Fish, copepods, krill | Moray eel, dolphins |
| 2 | Jellyfish | C | Small fish | Crabs, sea turtles |
| 2 | Moray eel | C | Fish, squid, octopus | Tiger sharks, lemon sharks |
| 2 | Lanternfish | C | Shrimp, krill, copepods | Killer whales, dolphins, tiger sharks |
| 2 | Dolphin | C | Squid, fish | Killer whales |
| 2 | Tuna | C | Fish | Killer whales, dolphins, tiger sharks |
| 2 | Sea star | C | Scallops, oysters, coral, fish | Fish, crabs |
| 2 | Sea anemone | C | Small fish, zooplankton | Sea stars |
| 3 | Tiger shark | C | Invertebrates, fish, marine mammals | Killer whales, tiger sharks |
| 3 | Lemon shark | C | Fish, invertebrates, marine mammals | Killer whales, tiger sharks, |
| 3 | Sea turtle | C | Fish, invertebrates | Lemon sharks, tiger sharks |
| 3 | Killer whale | C | Fish, invertebrates, marine mammals | Top of food chain |
| 5 | Sea urchins | O | Decaying plant and animal matter | Fish |
| 5 | Sea cucumbers | O | Decaying plant and animal matter | Sea stars, fish |
| D | Marine fungi | O | Decaying plant and animal matter | Oysters |
| D | Marine bacteria | O | Decaying plant and animal matter | Oysters |

P = Producer

1 = Primary consumer

2 = Secondary consumer

3 = Tertiary consumer

A = Autotroph

T = Heterotroph

H = Herbivore

O = Omnivore

C = Carnivore

D = Decomposer / S = Scavenger