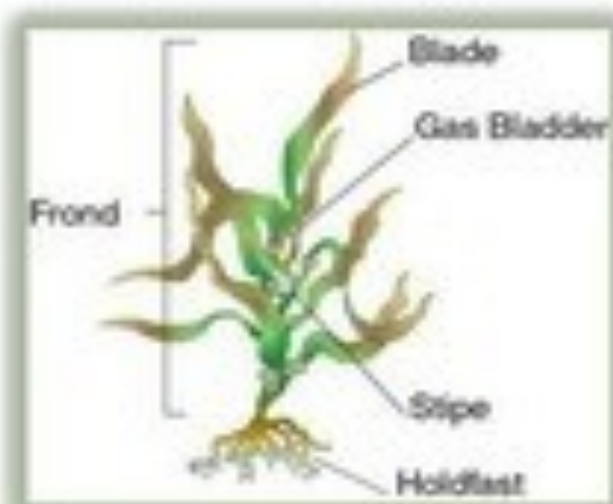


# The Kelp Forest



**Kelp forest** is an ocean habitat that is made up of kelp and other organisms that live in this habitat. They are located in cold, shallow areas of the neritic zone of the ocean. They grow on the nutrient rich coasts in temperate and polar regions where the ocean water is cold. **Kelp** is a brown algae that grows on the surface of rocks. They attach themselves to these rocks using a **holdfast**. This prevents the kelp from being washed away with the waves.



Kelp is a **producer** within this ecosystem and collects the sunlight that filters through the water. It produces food through the process of photosynthesis. **Photosynthesis** converts sunlight into sugar. Kelp can grow up to 60 cm a day, and can reach a total length of 33 meters long! They can float on top of the surface of the ocean water using air bladders. **Air bladders** are little, round sacks that are full of air.

# MARINE FLOWERING PLANTS

RED MANGROVE\*

PROP ROOT <sub>a</sub>

TRUNK <sub>b</sub>

LEAF <sub>c</sub>

SEED <sub>d</sub>

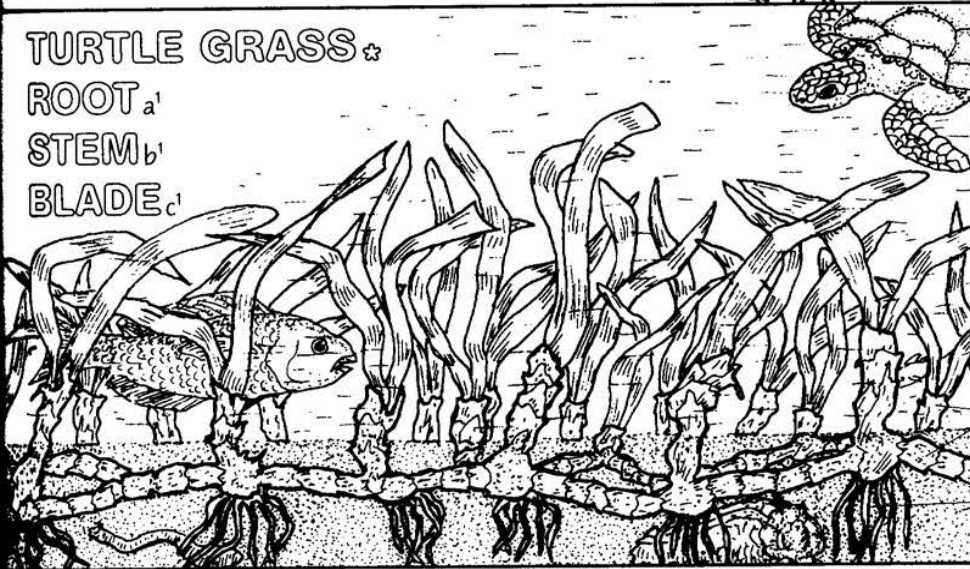


TURTLE GRASS\*

ROOT <sub>a'</sub>

STEM <sub>b'</sub>

BLADE <sub>c'</sub>



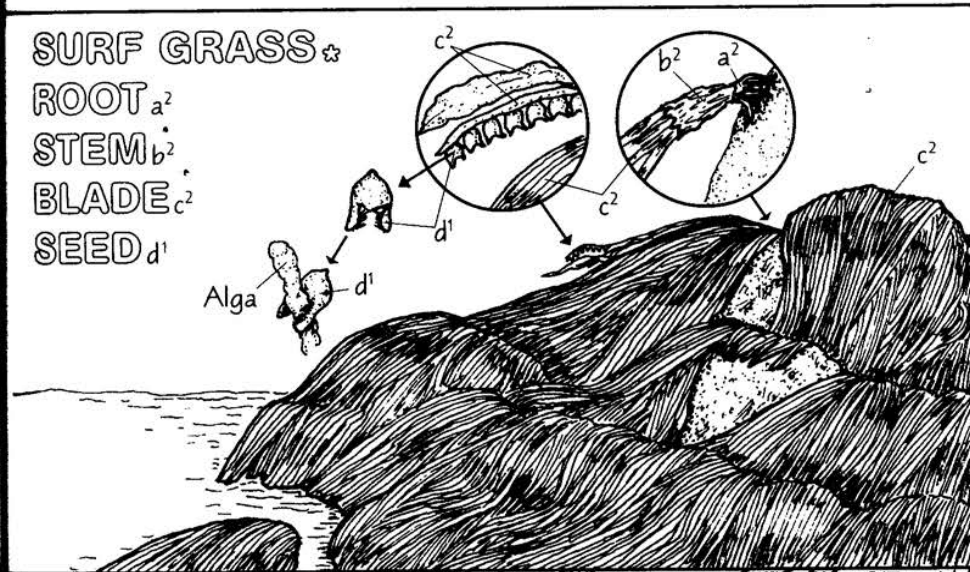
SURF GRASS\*

ROOT <sub>a<sup>2</sup></sub>

STEM <sub>b<sup>2</sup></sub>

BLADE <sub>c<sup>2</sup></sub>

SEED <sub>d<sup>1</sup></sub>



HIGH  
TIDE\*

