

# Biomes



# Learning Objectives

- Describe the characteristics of the major biomes and other unique ecosystems

# Temperate Forest



**Deciduous**

- Hot Summers, cold winters
- Drops leaves
- Dormant during cold season



**Rain**

- Long wet season and dry summer
- Coniferous trees



# Tropical Rain Forest



- Warm temperatures
- Abundant rain all year
- Lush, thick forest
- Animals live in thick cover of top branches



# Desert



- Low rainfall all year
- Dry
- Plants use a variety of strategies to survive heat and lack of water
- Most animals nocturnal



# Grassland



## Tropical

- Warm all year
- Tall grasses w/ some trees and shrubs



## Temperate

- Dry and windy
- Short or tall grasses

# Tundra



- **Below 0 temperatures, little rain**
- Ground permanently frozen
- Mosses and low lying plants

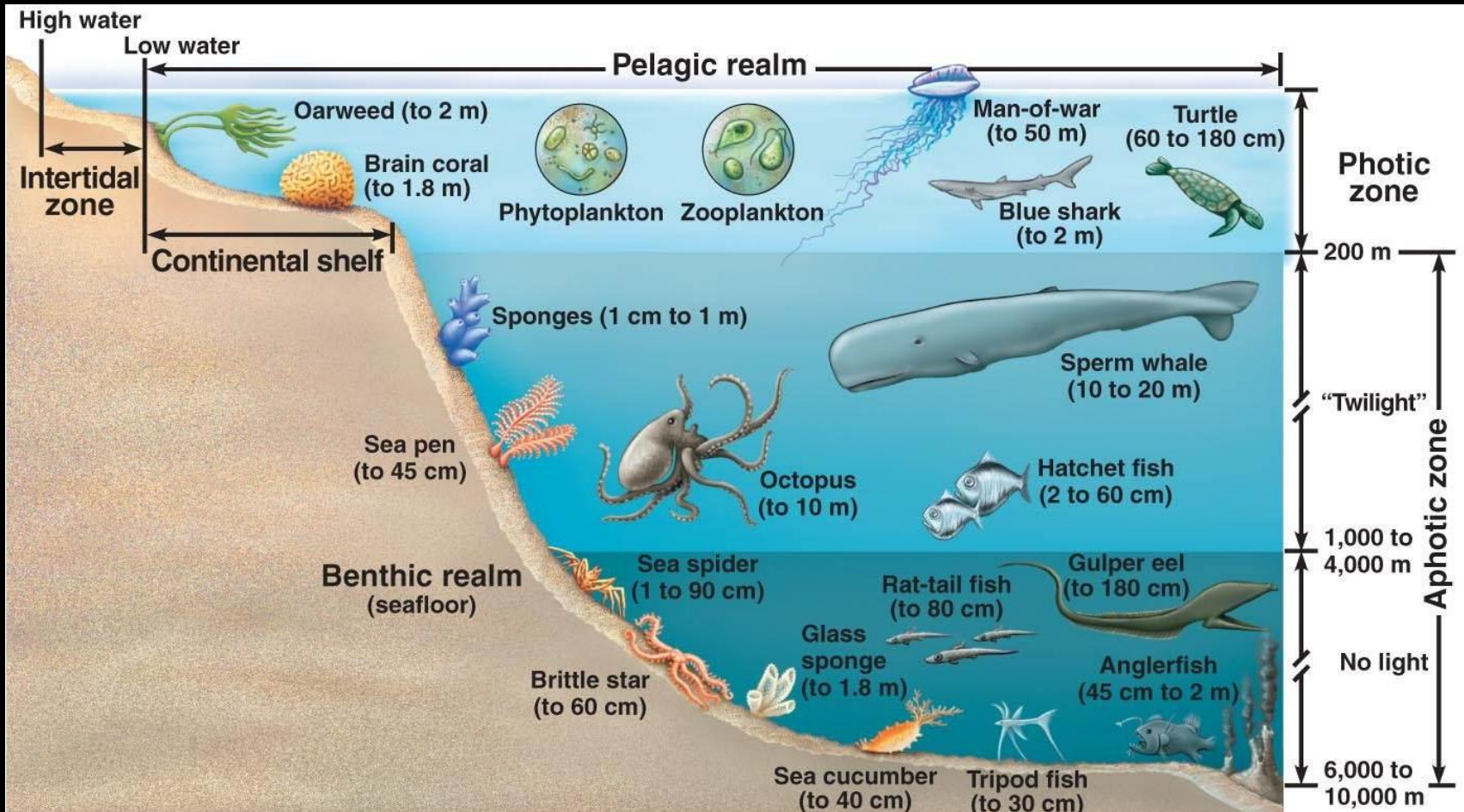
# Taiga



- Long, cold winters. Short, warm summers.
- Coniferous trees
- Mammals have heavy fur.



# Marine Ecosystems



Ocean - a global expanse of water containing a large variety of living organisms.

# Fresh Water Ecosystems



## Flowing Water

- Rivers and streams
- Organisms are adapted to rate of flow



## Standing Water

- Lakes and ponds
- Water circulates within to mix heat, O<sub>2</sub> and nutrients

# Estuaries



- mixture of fresh and salt water
- high levels of nutrients
- photosynthetic organisms and marine species

Estuary - partially enclosed body of water where a river flows into an ocean.

Biomes

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# Ecology - Part 8



**Biomes**