

ocean wise®

West Coast Marine Biology

STARTER DECK

Phylo

PACIFIC SLEEPER SHARK 9 3

Somniosus pacificus

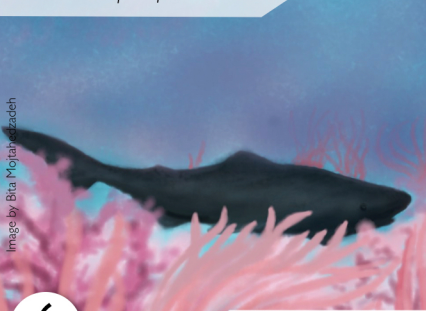



Image by Bita Mojtabadadeh

6 POINTS

PLAY: Sleeper Shark has a MOVE of 2

FACT: Pacific Sleeper Sharks can glide in the water with very little body movement and noise, such that their prey is often unaware of their presence.

Animalia, Chordata, Chondrichthyes

ocean wise. 

GIANT GREEN ANEMONE 6 3

Anthopleura xanthogrammica



Image by Bita Mojtabadadeh

7 POINTS

FACT: This anemone is green because it has a symbiotic relationship with an algae living in its tissues.

Animalia, Cnidaria, Anthozoa

ocean wise. 

BLUE TOP SNAIL 4 2

Calliostoma ligatum

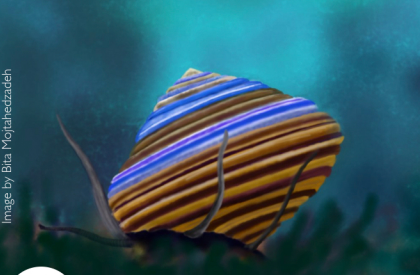


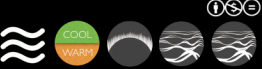
Image by Bita Mojtabadadeh

4 POINTS

PLAY: Blue Top Snail has a MOVE of 1

FACT: Blue Top Snails are hermaphrodites meaning that they have both sex organs, and can fertilize their own eggs.

Animalia, Mollusca, Gastropoda

ocean wise. 

DISEASE OUTBREAK

Event card



Image by Bita Mojtabadadeh

Event Card

PLAY: Play this card on a **SPECIES** card, or multiple cards of the same **SPECIES**

EFFECT: The **SPECIES** card(s) and **EVENT** card are immediately discarded.

ocean wise. 

West Coast Marine Biology

Home Card





Image by Bita Mojtabadadeh

This is a **HOME** card. The game starts with each player having a **HOME** card placed on the table facing them. **HOME** cards represent all **TERRAIN** and **CLIMATE** values.

ocean wise. 

West Coast Marine Biology

Home Card





Image by Bita Mojtabadadeh

This is a **HOME** card. The game starts with each player having a **HOME** card placed on the table facing them. **HOME** cards represent all **TERRAIN** and **CLIMATE** values.

ocean wise. 

PHYTOPLANKTON 2 1

Multiple



Image by Bita Mojtabadadeh

Multiple

2 POINTS

PLAY: Phytoplankton has a MOVE of 1

FACT: Phytoplankton are the main source of food for almost all fish.

ocean wise. 

PHYTOPLANKTON 2 1

Multiple



Image by Bita Mojtabadadeh

Multiple

2 POINTS

PLAY: Phytoplankton has a MOVE of 1

FACT: Phytoplankton are the main source of food for almost all fish.

ocean wise. 

SUNFLOWER SEA STAR 6 3

Pycnopodia helianthoides



4
POINTS

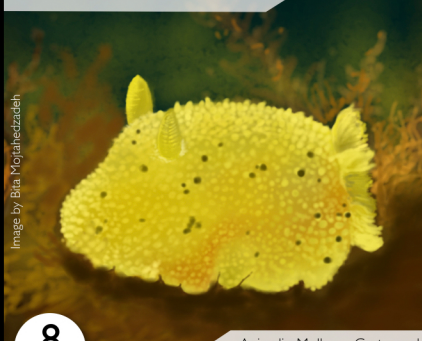
PLAY: Sea Stars have a MOVE of 1. Although mostly carnivorous, *Pycnopodia* can eat algae.

FACT: Sunflower sea stars can have up to 24 limbs.



SEA LEMON 6 3

Anisodoris nobilis



8
POINTS

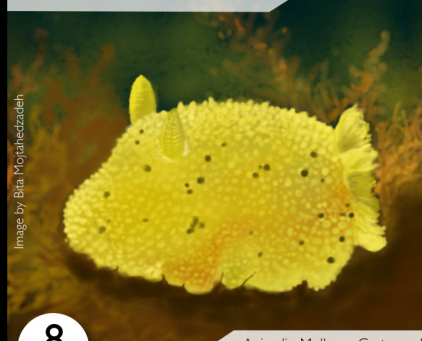
PLAY: Sea Lemon has a MOVE of 1

FACT: Sea Lemons are hermaphroditic, which means they can produce both sperm and eggs.



SEA LEMON 6 3

Anisodoris nobilis



8
POINTS

PLAY: Sea Lemon has a MOVE of 1

FACT: Sea Lemons are hermaphroditic, which means they can produce both sperm and eggs.



MOON JELLY 5 3

Aurelia labiata



7
POINTS

PLAY: Moon Jelly has a MOVE of 1. It is carnivorous and also feeds on plankton.

FACT: When Moon Jellies lose part of their body they can no longer swim straight. To compensate, they can shape shift and rearrange their bodies.



MOON JELLY 5 3

Aurelia labiata



7
POINTS

PLAY: Moon Jelly has a MOVE of 1. It is carnivorous and also feeds on plankton.

FACT: When Moon Jellies lose part of their body they can no longer swim straight. To compensate, they can shape shift and rearrange their bodies.



PACIFIC PURPLE SEA URCHIN 5 3

Strongylocentrotus purpuratus



5
POINTS

PLAY: Sea Urchin has a MOVE of 1. They are primarily herbivores but can also feed on invertebrates.

FACT: A sea urchin's mouth has five sharp teeth that can drill through rock.



NORTHERN ABALONE 5 2

Haliotis kamtschatkana



7
POINTS

PLAY: Abalone has a MOVE of 1

FACT: Since 1978, abalone populations in BC have declined by 80%.



NORTHERN ABALONE 5 2

Haliotis kamtschatkana



7
POINTS

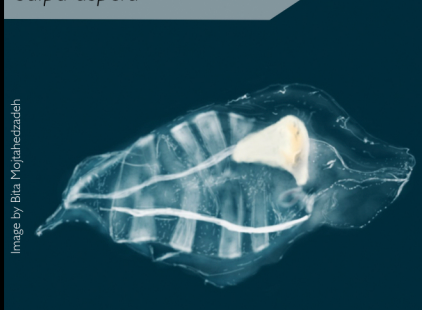
PLAY: Abalone has a MOVE of 1

FACT: Since 1978, abalone populations in BC have declined by 80%.



ZOOPLANKTON 2 1

Salpa aspera



2
POINTS

PLAY: Zooplankton has a MOVE of 2

FACT: Salpa Zooplankton are filter feeders; they feed on phytoplankton and other small particles.



PACIFIC GEODUCK 6 2

Panopea generosa



6
POINTS

Animalia, Mollusca, Bivalvia

PLAY: Geoduck has a MOVE of 1

FACT: Geoducks can bury themselves 1 meter deep in sand or gravel. They are also one of the longest living animals, with lifespans of ~140 yrs.



PACIFIC GEODUCK 6 2

Panopea generosa



6
POINTS

Animalia, Mollusca, Bivalvia

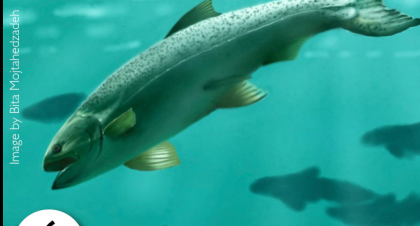
PLAY: Geoduck has a MOVE of 1

FACT: Geoducks can bury themselves 1 meter deep in sand or gravel. They are also one of the longest living animals, with lifespans of ~140 yrs.



CHINOOK SALMON 7 3

Oncorhynchus tshawytscha



6
POINTS

Animalia, Chordata, Osteichthyes

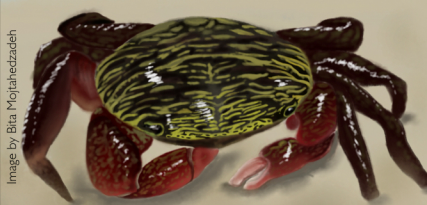
PLAY: Salmon has a MOVE of 2. Chinook Salmon can also feed on plankton.

FACT: Chinook Salmon are the largest of all Pacific salmon species.



LINED SHORE CRAB 4 3

Pachygrapsus crassipes



4
POINTS

Animalia, Arthropoda, Malacostraca

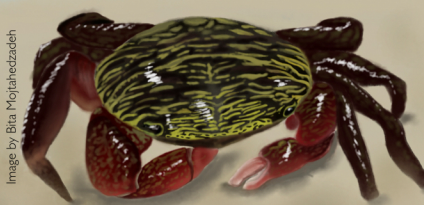
PLAY: Lined Shore Crab has a MOVE of 1

FACT: Lined Shore Crabs can stay out of water for up to 70 hours.



LINED SHORE CRAB 4 3

Pachygrapsus crassipes



4
POINTS

Animalia, Arthropoda, Malacostraca

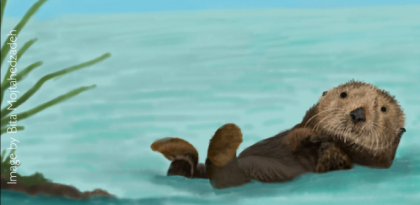
PLAY: Lined Shore Crab has a MOVE of 1

FACT: Lined Shore Crabs can stay out of water for up to 70 hours.



SEA OTTER 7 3

Enhydra lutris



5
POINTS

Animalia, Chordata, Mammalia

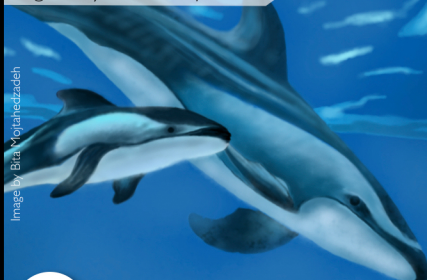
PLAY: Sea Otter has a MOVE of 2

FACT: Sea otters are a keystone species. Other species in the ecosystem heavily depend on otters.



PACIFIC WHITE-SIDED DOLPHIN 8 3

Lagenorhynchus obliquidens



4
POINTS

Animalia, Chordata, Mammalia

PLAY: The Pacific White-Sided Dolphin has a MOVE of 2

FACT: Pacific White-Sided Dolphins are strong, fast swimmers and often swim next to boats.



BURROWING SEA CUCUMBER 5 3

Cucumaria miniata



4
POINTS

Animalia, Echinodermata, Holothuroidea

PLAY: This Sea Cucumber has a MOVE of 1. Sea Cucumbers can be eaten by carnivores.

FACT: Even though they look like plants, Sea Cucumbers are actually part of the animal kingdom.



BURROWING SEA CUCUMBER 5 3

Cucumaria miniata



4
POINTS

Animalia, Echinodermata, Holothuroidea

PLAY: This Sea Cucumber has a MOVE of 1. Sea Cucumbers can be eaten by carnivores.

FACT: Even though they look like plants, Sea Cucumbers are actually part of the animal kingdom.



HUMPBACK WHALE

9 3

Megaptera Novaeangliae

Image by Bita Moghaddasdeh



5

POINTS

Animalia, Chordata, Mammalia

PLAY: The Humpback Whale has a MOVE of 2

FACT: Only males 'sing' to attract females or let other males know they're in the area.



MARINE PROTECTION

Event card

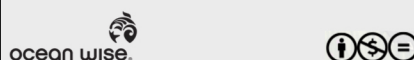
Image by Bita Moghaddasdeh



Event Card

PLAY: Play this card immediately after your opponent has played an **EVENT** card on one of your **SPECIES**.

EFFECT: Cancels the effect of the **EVENT** card. Does not work on **EVENT** cards that are not played specifically on top of **SPECIES**.



MARINE PROTECTION

Event card

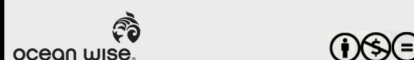
Image by Bita Moghaddasdeh



Event Card

PLAY: Play this card immediately after your opponent has played an **EVENT** card on one of your **SPECIES**.

EFFECT: Cancels the effect of the **EVENT** card. Does not work on **EVENT** cards that are not played specifically on top of **SPECIES**.



MARINE PROTECTION

Event card

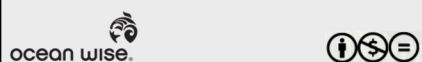
Image by Bita Moghaddasdeh



Event Card

PLAY: Play this card immediately after your opponent has played an **EVENT** card on one of your **SPECIES**.

EFFECT: Cancels the effect of the **EVENT** card. Does not work on **EVENT** cards that are not played specifically on top of **SPECIES**.



RED TIDE

Event card

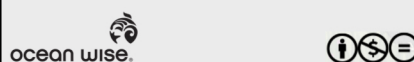
Image by Bita Moghaddasdeh



Event Card

PLAY: Place this card on any **SPECIES** that consume shellfish.

EFFECT: The **SPECIES** card and **EVENT** card are immediately discarded.



PLASTIC POLLUTION

Event card

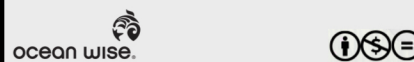
Image by Bita Moghaddasdeh



Event Card

PLAY: Place this card on any **SPECIES** that lives in Level 1 depth.

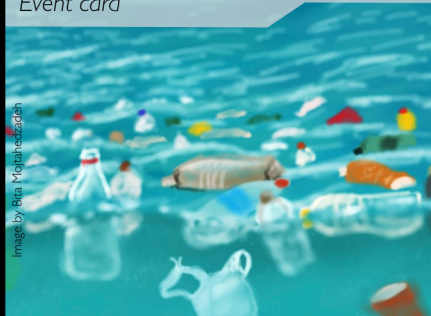
EFFECT: The **SPECIES** card and **EVENT** card are immediately discarded.



PLASTIC POLLUTION

Event card

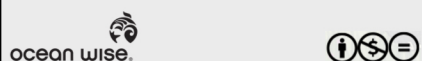
Image by Bita Moghaddasdeh



Event Card

PLAY: Place this card on any **SPECIES** that lives in Level 1 depth.

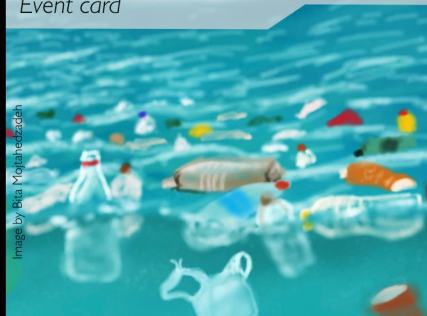
EFFECT: The **SPECIES** card and **EVENT** card are immediately discarded.



PLASTIC POLLUTION

Event card

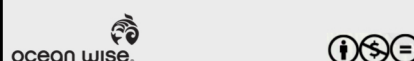
Image by Bita Moghaddasdeh



Event Card

PLAY: Place this card on any **SPECIES** that lives in Level 1 depth.

EFFECT: The **SPECIES** card and **EVENT** card are immediately discarded.



OIL SPILL

Event card

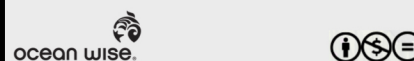
Image by Bita Moghaddasdeh



Event Card

PLAY: Place this card on any **SPECIES** card

EFFECT: The **SPECIES** card and **EVENT** card are immediately discarded.



BULL KELP

Nereocystis luetkeana

9

1

Image by Bita Mojtabeizadeh

5
POINTS

FACT: Bull kelp can grow up to 10 inches in a day.

Protocista, Phaeophyta, Phaeophyceae

ocean wise.



BULL KELP

Nereocystis luetkeana

9

1

Image by Bita Mojtabeizadeh

5
POINTS

FACT: Bull kelp can grow up to 10 inches in a day.

Protocista, Phaeophyta, Phaeophyceae

ocean wise.



ACORN BARNACLE

Semibalanus balanoides

4

1

Image by Bita Mojtabeizadeh

2
POINT

PLAY: The Acorn Barnacle is a suspension feeder; extracting food from the water.

FACT: Acorn Barnacle produce a brown glue that fastens it to a hard surface.

Animalia, Arthropoda, Crustacea

ocean wise.



ACORN BARNACLE

Semibalanus balanoides

4

1

Image by Bita Mojtabeizadeh

2
POINT

PLAY: The Acorn Barnacle is a suspension feeder; extracting food from the water.

FACT: Acorn Barnacle produce a brown glue that fastens it to a hard surface.

Animalia, Arthropoda, Crustacea

ocean wise.



DARK SEA LETTUCE

Ulvaria Obscura

5

1

Image by Bita Mojtabeizadeh

1
POINT

FACT: As a type of algae, this Dark Sea Lettuce is often found on beaches along the West Coast.

Plantae, Chlorophyta, Ulvophyceae

ocean wise.



DARK SEA LETTUCE

Ulvaria Obscura

5

1

Image by Bita Mojtabeizadeh

1
POINT

FACT: As a type of algae, this Dark Sea Lettuce is often found on beaches along the West Coast.

Plantae, Chlorophyta, Ulvophyceae

ocean wise.



PACIFIC LITTLENECK CLAM

Leukoma staminea

4

1

Image by Bita Mojtabeizadeh

3
POINTS

PLAY: LittleNeck Clam has a MOVE of 1. This clam is a filter feeder; and can be considered prey for carnivores.

FACT: The Pacific Littleneck Clam's concentric rings can be used to determine their age.

Animalia, Mollusca, Bivalvia

ocean wise.



PACIFIC LITTLENECK CLAM

Leukoma staminea

4

1

Image by Bita Mojtabeizadeh

3
POINTS

PLAY: LittleNeck Clam has a MOVE of 1. This clam is a filter feeder; and can be considered prey for carnivores.

FACT: The Pacific Littleneck Clam's concentric rings can be used to determine their age.

Animalia, Mollusca, Bivalvia

ocean wise.



ZOOPLANKTON

Salpa aspera

2

1

Image by Bita Mojtabeizadeh

2
POINTS

PLAY: Zooplankton has a MOVE of 2

FACT: Salpa Zooplankton are filter feeders; they feed on phytoplankton and other small particles.

Animalia, Chordata, Tunicata

ocean wise.

