



# Survival of the Fittest: Adaptations

NAME: \_\_\_\_\_

Year 7 to 10

**Introduction** Adaptations are features that help organisms to overcome the challenges of their environment.

**Structural adaptations** are physical or anatomical features of an animal (such as shark spines or fin structure)

**Functional adaptations** are where the animal's body performs a specific function (such as poison or respiration)

**Behavioural adaptations** are specific behaviours (such as swimming styles or feeding modes)

## Touch pools

Describe the life support systems of a sea star by completing the table:

System	Explain how it works....
Respiratory	<i>how does it breathe?</i>
Digestive	<i>how does it eat?</i>
Circulatory	<i>how does it circulate?</i>
Reproductive	<i>how does it reproduce?</i>

## Dugong Island

Choose two (2) animals and complete the following table:

Common & Scientific Name	Adaptations	Survival Benefit

## Seal Island

Brainstorm the adaptations of a seal which enables it to survive. Think about how it escapes predators, finds food, regulates temperature, communicates, and finds a suitable mate to reproduce?



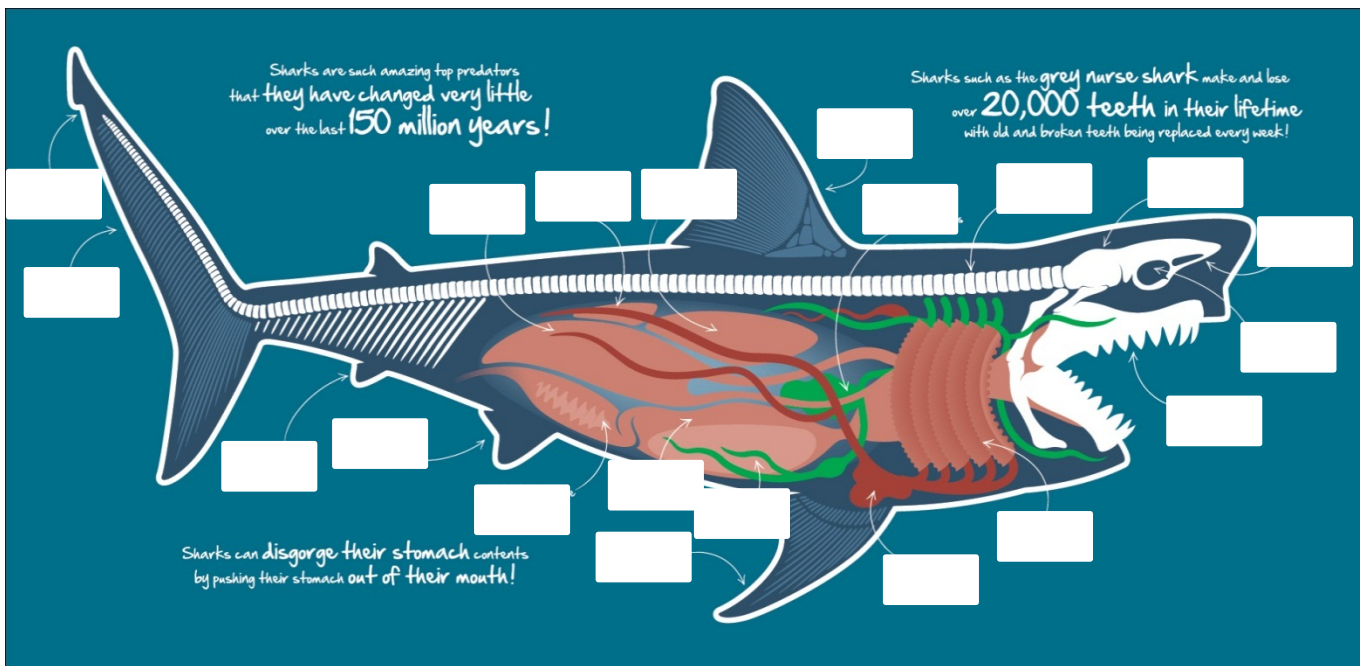
## Jurassic Seas

All fish have gills to breathe, but did you know that some fish can breathe air from the atmosphere as well (if the oxygen levels get too low in the water, the fish can still breathe and survive). SEA LIFE Sydney Aquarium has two fish that do this in the Jurassic Seas. Watch closely to try to work out which two they are!

1. \_\_\_\_\_
2. \_\_\_\_\_

## Shark Valley

Do you recognise this picture? Fill in the missing blanks....



How do sharks breathe? \_\_\_\_\_

How do sharks reproduce? \_\_\_\_\_

How do sharks find their food? \_\_\_\_\_