

ANTARCTICA



List the *biotic* (living) and *a-biotic* (non-living) components that make up a penguin's habitat at Melbourne Aquarium:

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Choose and illustrate **ONE** species of penguin

Label at least four adaptations that a penguin has in order to survive in this habitat.

PENGUIN SPECIES: _____

Adaptation 1:

Adaptation 2:

A large, empty rounded rectangle intended for drawing the chosen penguin species.

Adaptation 3:

Adaptation 4:

Penguins are preyed upon by aquatic animals such as Leopard seals and Orcas.

How do penguins avoid their predators? Consider colour and physical movements.

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Humans do not have these adaptations.

How do humans manage to survive in an Antarctic habitat?

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WEIRD & WONDERFUL

Within this area, find an example of each of the survival adaptations outlined in the boxes below.

CAMOUFLAGE

Animal name:

How does the animal use camouflage?

CHANGE COLOUR TO LOOK LIKE SURROUNDS

Animal name:

What changes can the animal make to look like surroundings?

ARMOUR PROTECTION

Animal name:

What is the purpose of the armour?

VENOMOUS TO OTHERS

Animal name:

How does the animal inflict the venom?

Why do these animals need survival adaptations? Consider size and habitat.

RIVER TO REEF



AMAZING UNDER WATER SUPER POWERS

Some of the animals living in this part of the aquarium have some amazing skills. Observe the animals, read the information boards and talk to our staff to find out about these super powers!

Complete the table below to record the creatures and their super-powers:

CREATURE	SUPER POWER (ADAPTATION)
	Regeneration
	Sonar
Mudskipper	Live in and out of water
	Heat resistant
	Built-in sword
	Breathe through skin
	Stinging cells
	Built-on armour

Why do these creatures have these adaptations?



If you were a water creature, what super-hero qualities would you want? Why?



SELF GUIDED Years 7 - 10



What are the similarities and differences between a Grey Nurse shark and a Smooth stingray?

SIMILARITIES	DIFFERENCES	
	GREY NURSE SHARK	SMOOTH STINGRAY
		

What are some physical features of sharks and rays that help them survive?

Consider physical appearance, their colour, their food, and predators.

You may notice smaller fish swimming behind the Grey Nurse shark in the Oceanarium. Suggest a reason why fish have this behaviour.
