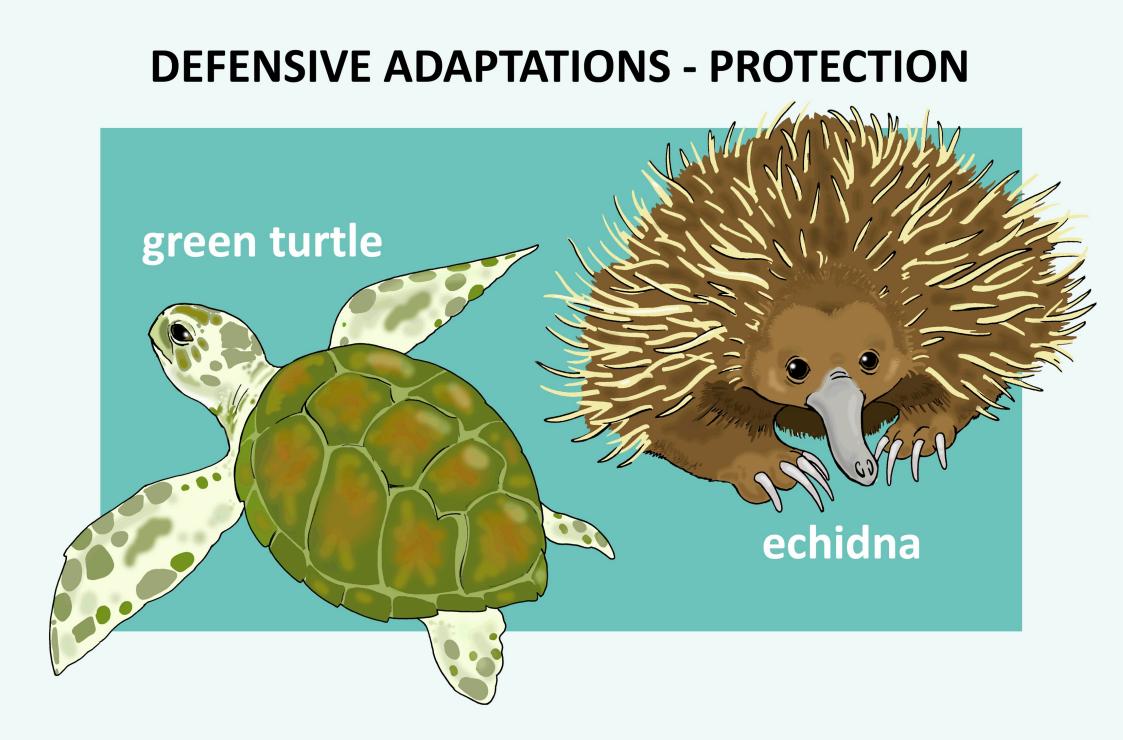
ADAPTATIONS

contents

- Defensive Adaptations
- Camouflage
- Finding Food
- Adapting to Temperature

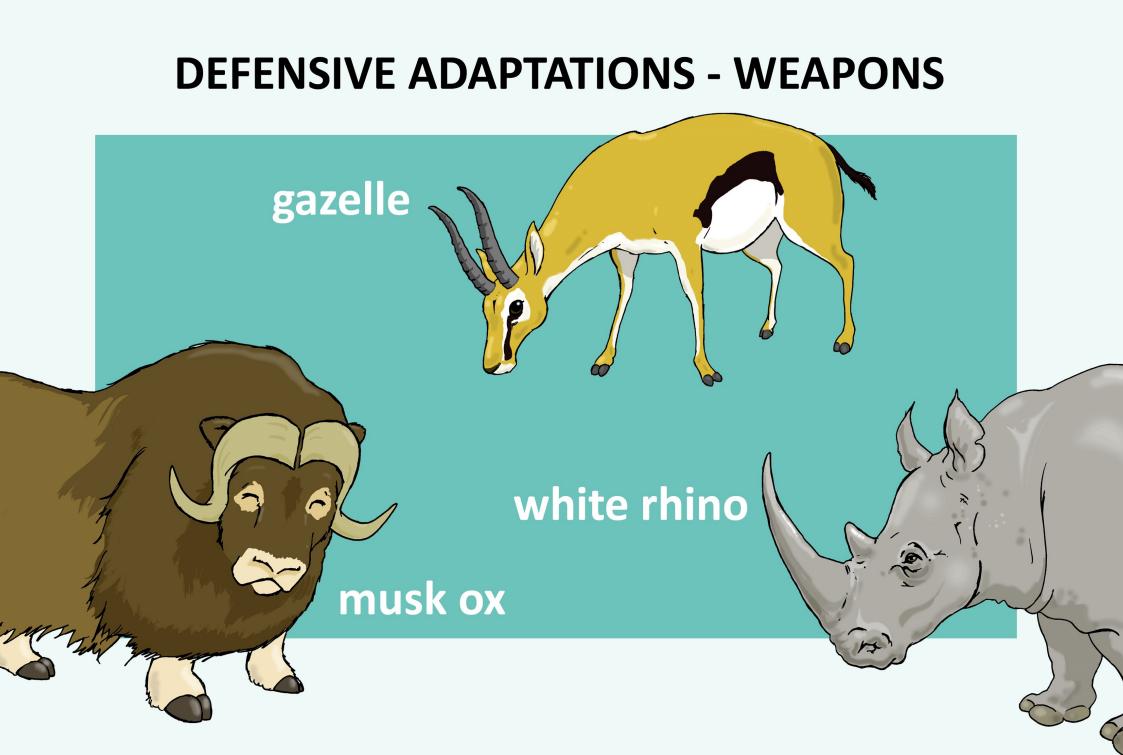








PROTECTION - Turtles present their broad shells towards the tigers sharks, making a bite very difficult.



DEFENSIVE ADAPTATIONS - DISPLAY

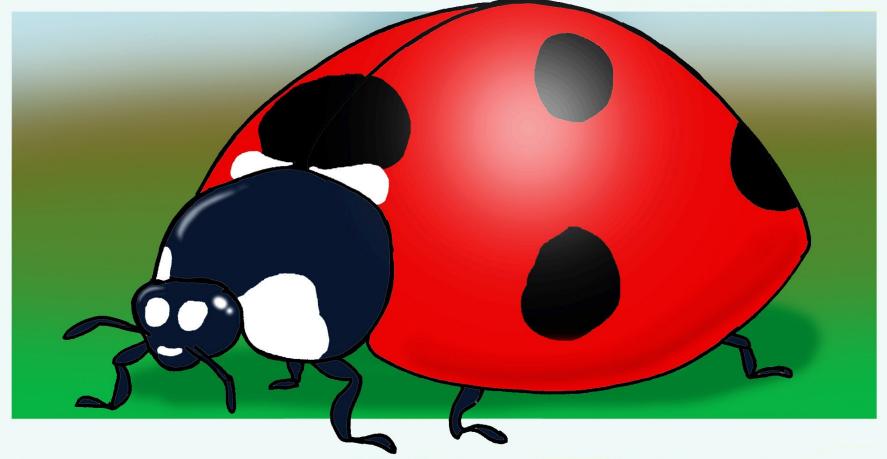


e.g. Cape Cobra



DEFENSIVE DISPLAY - Cobra rise up and spread their hood.

e.g. ladybird



DEFENSIVE COLOUR - Red indicates ladybirds taste unpleasant.

DISCOVER MORE...

Free worksheet downloads on our website

Adaptations: Defensive Displays

Rather than try to hide from predators, some animals have evolved to give striking warnings that they are not an easy meal.

Snakes such as the red headed krait employ vivid colouration to demonstrate they have toxic venom. Such is the effectiveness of this strategy, that some non-venomous snakes mimic their poisonous relatives.



name



Cobra have distinctive hoods that they can erect when threatened. They raise up and wave to ensure they are seen. A would be predator, or a large animal that may injure the snake is warned before they get too close. The cobra may then spit venom at the source of danger if undeterred, and ultimately, it may strike out with sharp fangs.

ladybird

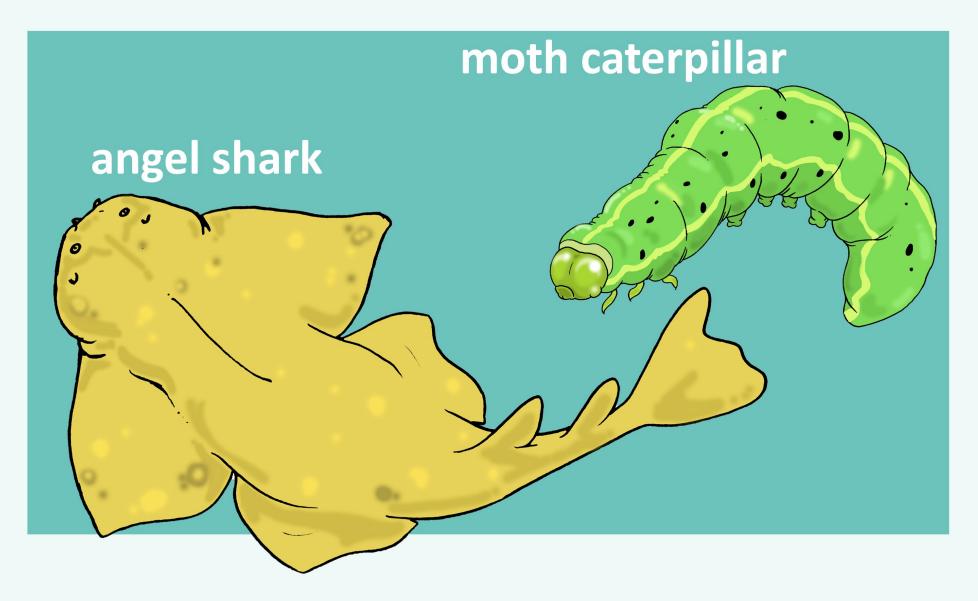
The brightly coloured wing covers of ladybirds give a clear warning to predators that they emit unpleasant smelling and tasting chemicals. Whilst this may not save the insect, the predator will remember the experience and so others will look for better tasting prey.

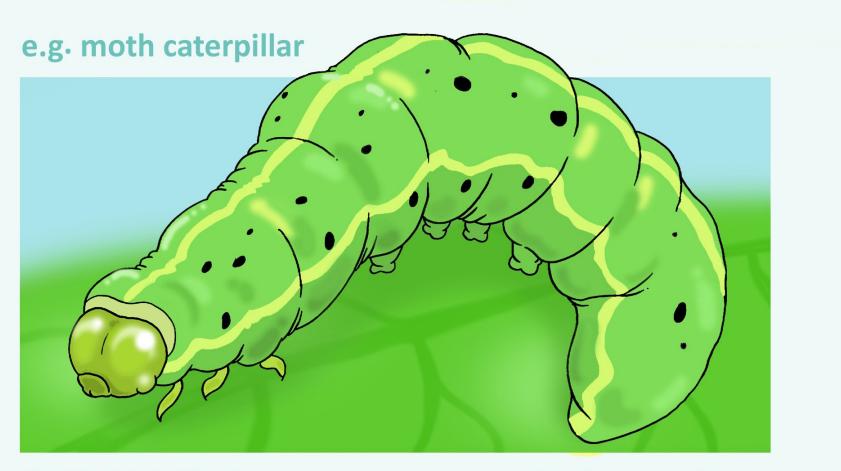
The animals above all also use chemicals to also keep them safe. Explain how the visual signs and chemicals keep them safe?



CAMOUFLAGUE

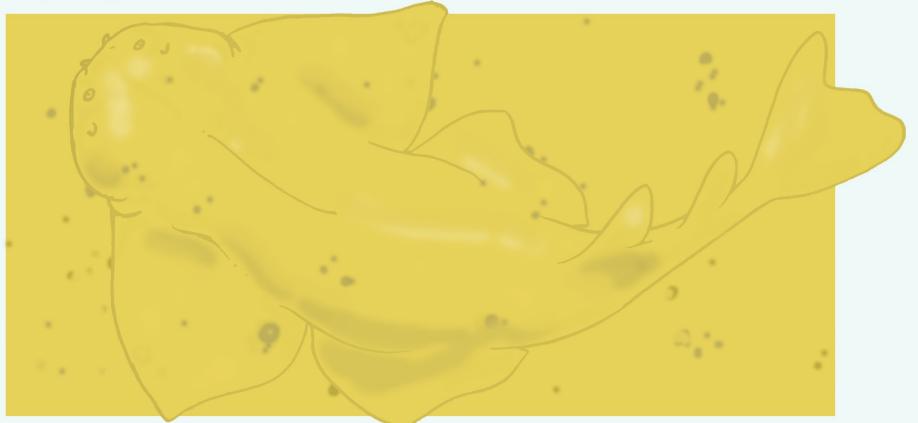
CAMOUFLAGE - BLENDING IN





BLENDING IN - Green on green = hard to be seen!

e.g. angel shark



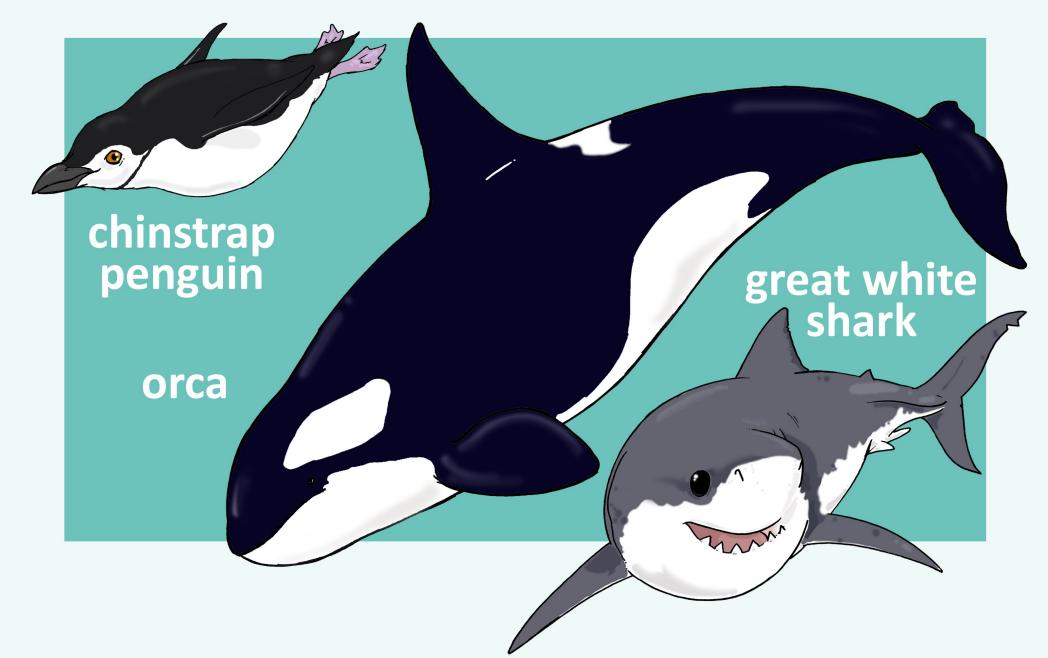
BLENDING IN - resting on the sandy floor, the angel shark lies in wait to ambush prey swimming close by.

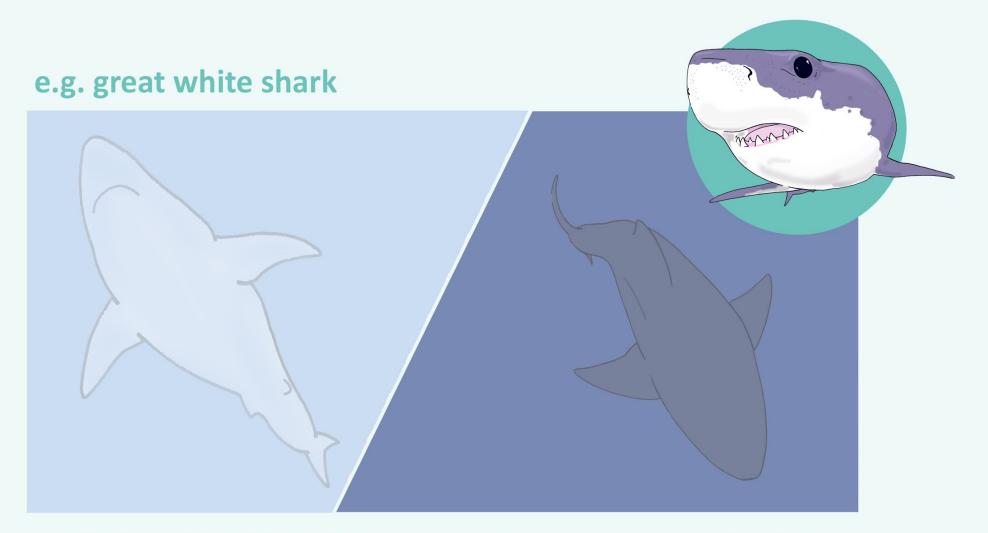
e.g. lion



BLENDING IN - Lion coats match the dry savanna grasses.

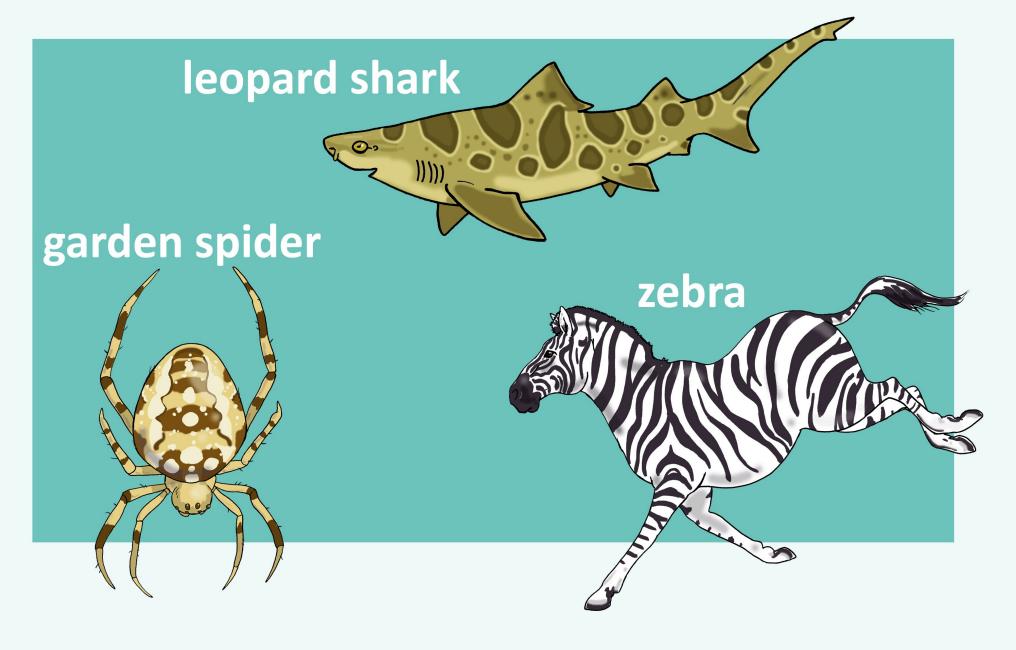
CAMOUFLAGE - COUNTERSHADING





COUNTERSHADING - Pale undersides merge with the light surface/dark top side blends in with the depths below.

CAMOUFLAGE - PATTERNS



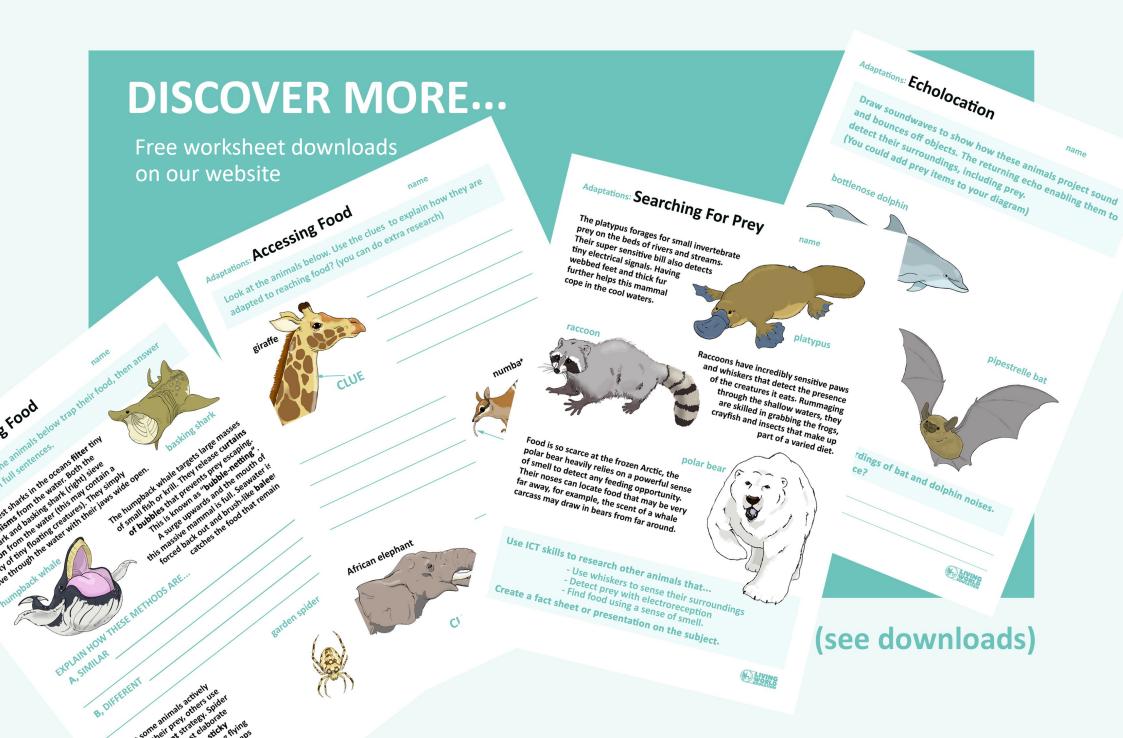


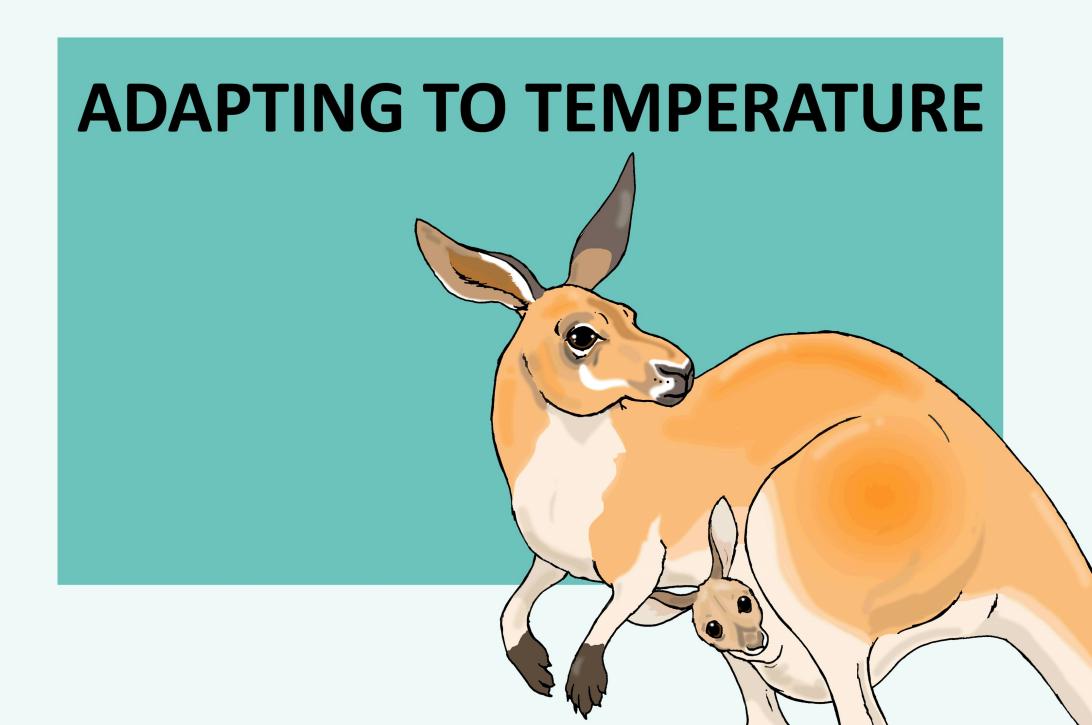


TRAPPING FOOD - The spider web is sticky and entangles the prey that fly in to it.



TRAPPING FOOD - Baleen enables the whale to filter krill from the water in great numbers.





THERMOREGULATION - EARS RADIATE HEAT





COOLING - Some animals are able to pass blood through their large ears which radiate heat, cooling their bodies.

e.g. hippopotamus



COOLING - seeking shade or water is highly effective.

THERMOREGULATION - REPTILES

adder (basking = heats)

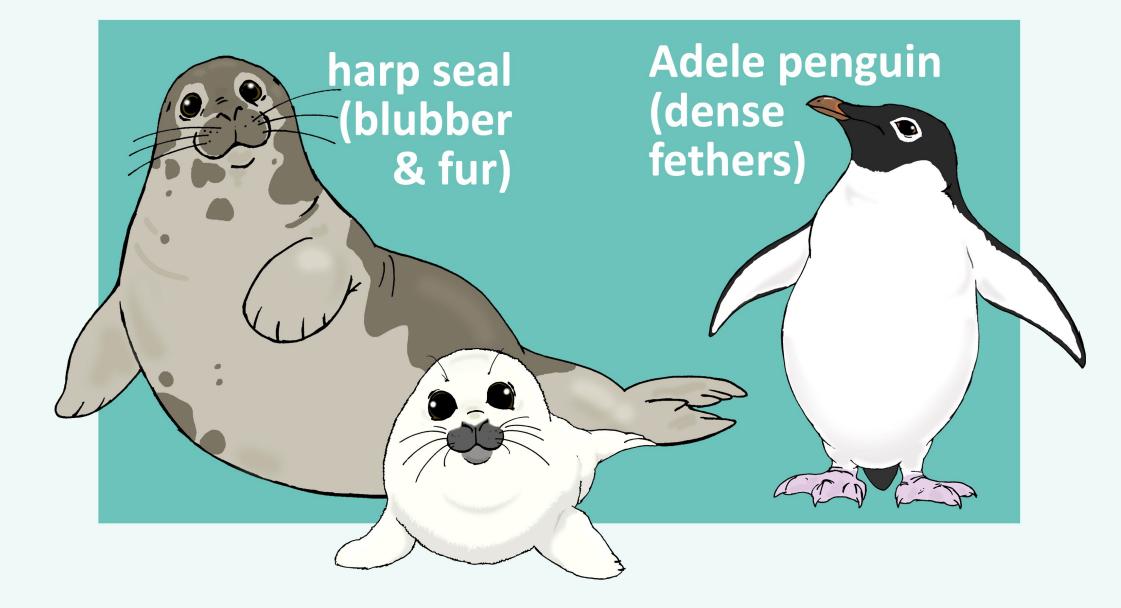
saltwater crocodile
(mouth gaping
 = cooling)

e.g. marine iguana

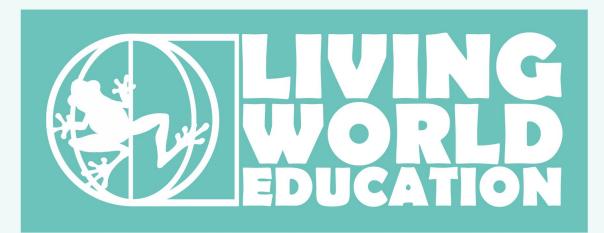


BASKING - Absorbing heat from the sun allows reptiles to function and even cope with cool ocean waters.

THERMOREGULATION - INSULATION







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