



Conservation

Protecting Animals and Their Environments

Stage 2

NSW Stage 2 Outcomes:

ST2-4LW-S · ST2-2DP-T · GE2-1 · GE2-2 · EN2-1A · EN2-2A · MA2-1/SP · CA2



WHAT IS CONSERVATION?



What is conservation?

Conservation is the protection of animals, plants and their environments.

It helps maintain ecosystems and supports the survival of species.

Why is conservation important?

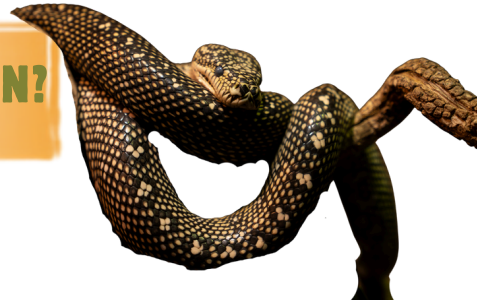


Complete:

Conservation helps animals by:



WHY DO SPECIES NEED PROTECTION?



Endangered animals

Some species are endangered, meaning they are at risk of extinction. If species disappear, ecosystems can change.

What might cause animals to become endangered?

Complete the table:

Cause	Effect on animals
Habitat loss	
Pollution	
Hunting	



HUMAN IMPACT

How humans affect ecosystems

Humans can have both negative and positive impacts on environments.

Negative impacts:

- habitat destruction
- pollution
- introduction of new species

Positive impacts:

- conservation programs
- habitat protection
- laws

How can humans fix environmental damage?

Give an example of a human action and its effect on the environment.

HABITAT LOSS

Habitat loss

When habitats are destroyed, animals lose food, shelter and space. This can reduce survival and population size.

What happens if animals lose their habitat?



Complete:

If a koala habitat is destroyed, then...



INTERDEPENDENCE

Connected ecosystems

All living things are connected.

Changes to one species can affect others.



How are animals connected in ecosystems?

Activity:

Explain one connection between two animals or a plant and an animal.



CONSERVATION ACTIONS

How we can help

People can take action to protect ecosystems.

Examples include:

- reducing waste
- protecting habitats
- supporting conservation programs



Which action has the biggest impact?

Activity:

Write one action and explain how it helps.



AT THE ZOO

Zoos support conservation by:

protecting animals

running breeding programs

educating people

Provide three ways that WILD LIFE Sydney Zoo helps animals:

ZONE: TRICKY TONGUES & TREETOPS

ECHIDNA

Echidnas have specialised adaptations that help them survive.

THINK...

Why are adaptations important for survival?

ACTIVITY...

Explain how the echidna's adaptations help it survive.

ZONE: DAINTREE RAINFOREST

CASSOWARY

Cassowaries are important for rainforest ecosystems.
They spread seeds and help plants grow.

THINK...

What would happen if cassowaries disappeared?

ACTIVITY

Explain how the cassowary supports the ecosystem.

ZONE: KANGAROO WALKABOUT

KANGAROO

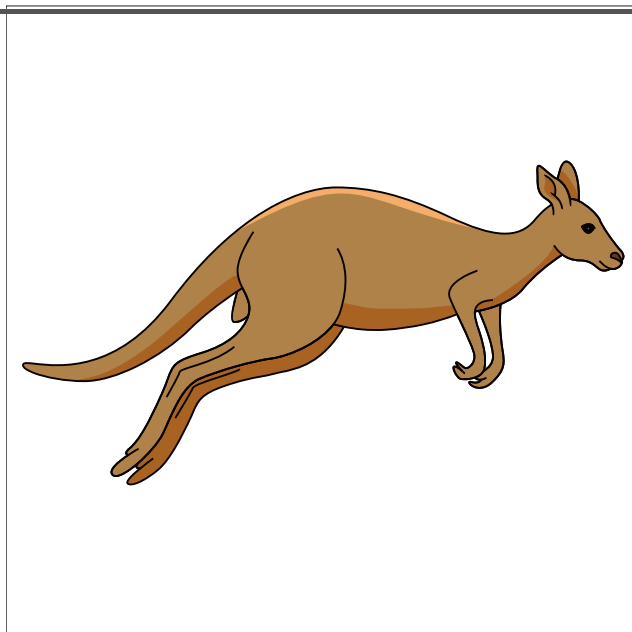
Kangaroos are herbivores that play a role in food webs.

THINK...

How does this animal fit into the ecosystem?

ACTIVITY...

Explain how the kangaroo gets energy and where it fits in a food chain.



ZONE: NIGHTFALL

SUGAR GLIDER

Sugar gliders depend on trees for food and movement.

THINK...

What happens if trees are removed?

ACTIVITY...

Explain how habitat loss would affect this animal.



ZONE: CROCODILE BILLABONG

FRESHWATER CROCODILE

Crocodiles are important predators in ecosystems.

THINK...

How do predators help ecosystems stay balanced?

Activity

Explain what might happen if crocodiles disappeared.

OBSERVATION

Activity at the zoo:

Choose one animal and record:

Habitat

Threat

How it is protected

AFTER OUR VISIT TO THE ZOO

Reflection

Describe one animal and explain:

What threatens it

How it can be protected

PROTECTING OUR ENVIRONMENT

Write:

How can humans help protect ecosystems? Include one problem and one solution.

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