



Award Environmentalist

These helps were provided by Margaret Tay of North New Zealand Conference (the worksheets) and Julie Rainey of the Western Australian Conference (the teaching notes), both in June 2004.

Again I note that the requirements do not call for written work. The requirements say "tell", "list", "study", "explain". However the aids provided here can be used to help with this, but remember that the written work is not as important as what is seen and learned.

There is a work sheet or notes for each of the seven requirements followed by some notes for the benefit of the class teacher.



Environmentalist Award
First work sheet

What instructions did God give at creation in regard to the environment?

Write out *Genesis 1:26*

Environmentalist Award

Second work sheet

Our world is running out of animals

Animals all over the world are being killed off by illegal hunting and pollution.

Others lose their homes as new cities and towns are built.



Animals that are in danger of disappearing forever are called *endangered* animals.

Name 3 Animals that are endangered and why they are endangered.

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Third work sheet

Name three bird that are endangered.

Then say what you can do to help protect birds.



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Fourth work sheet

Write about the endangered trees in your area..

Then write about a tree you planted or adopted, and what you have done about it.



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Fifth work sheet

Air Makes Life Possible

Explain how nature keeps our air fresh.

We need oxygen to help our bodies use food for energy.

When we breathe out, we exhale carbon dioxide. All animals take in oxygen and give off carbon dioxide.

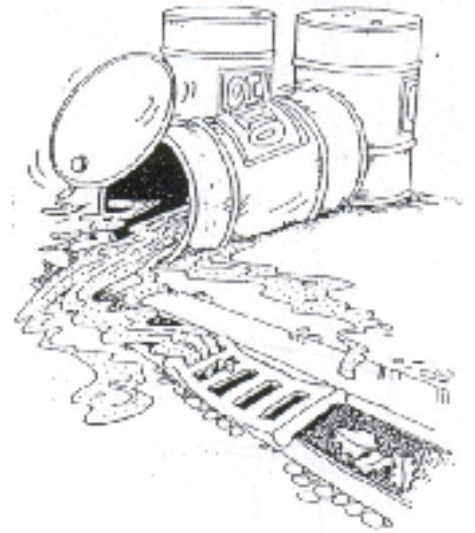
All plants take in carbon dioxide and give off oxygen. Plants use carbon dioxide and sunlight to make their food. By taking in carbon dioxide and giving off oxygen, plants help keep the proper balance of gases in the air.

Write the dangers threaten the quality of our air?

Environmental Award

Sixth work sheet

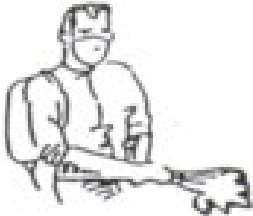
Where does your town water supply come from?



We do not want these pollutants to enter our Rivers and Lakes.

Write what you can do to prevent them from being polluted?

Paints



Weed & pest killers, fertilisers, herbicides and pesticides.

Food wastes

Glass

Paper

Plastics

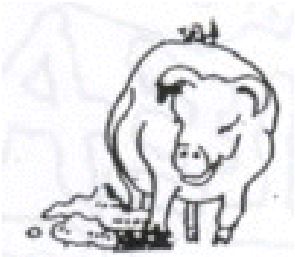
Petrol

Oil

Farm run-off

Town sewage

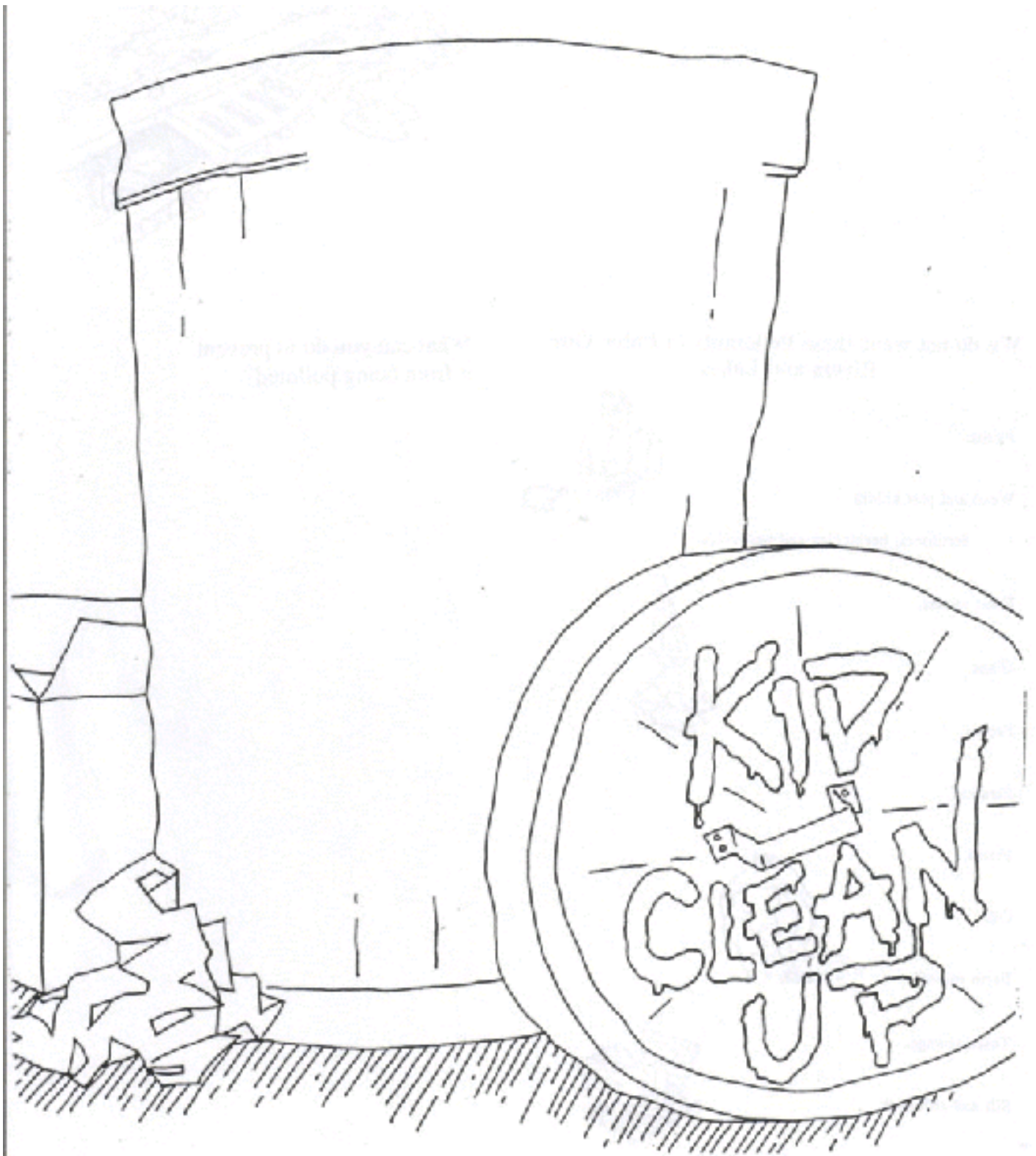
Silt and sediment



Environmentalist Award

Seventh work sheet

Write about the community activity you participated in to help clean the environment



Environmental Award

Teaching Notes

1 Man was to rule over all the earth.

A king rules over a country.

Rule doesn't mean use and abuse - but guide & care for wisely

Extinct means they no longer exist. Over 500 different kinds of animals that we know about are extinct.

Endangered mean there are not many left and could soon be extinct unless we have a plan to help.

Reasons creatures become endangered or extinct:

Habitat destroyed by clearing land for towns, farming, damming rivers

Habitat polluted by rubbish, pesticides, oil spills

Habitat changed by global warming, fragmentation by roads etc

Hunted by predators - foxes, cats, dogs

Hunted by people - food, skins, horns, medicines, sport

Competition for food with other animals - sheep, cows, rabbits

2 Animals endangered in the world:

Indian tiger - hunted for skins, jungle habitat destroyed

Black rhinoceros - hunted for horns to make into medicine, handles

Blue whale - hunted for food

Mountain gorilla - forest habitats cleared

Giant panda - bamboo forests destroyed

Hermann's tortoise - too many collected and sold as pets

Mugger crocodile - hunted for sport and skins

European smooth snake - killed because people think it's poisonous

Giant clam - killed for food and shell

Roman snail - eaten by people

Large blue butterfly - meadows destroyed, killed by collectors

Animals endangered in Australia:

Bilby - hunted by cats, foxes, loss of habitat

Northern Hairy-nosed Wombat - competition for grass with cattle, sheep & rabbits

Tasmanian Giant Freshwater Lobster - over fished

Southern Corroboree Frog - disease, climate change, habitat loss

Marsupial mole - killed by foxes, dogs, cats

Eastern Quoll - habitat destroyed, hunted by foxes and cats

Animals endangered in WA:

Numbat - habitat destroyed, killed by foxes, cats and dogs

White bellied frog - land clearing, grazing, pesticides

Western Ring-tailed Possum - dogs, poisons, roads, power lines

3 Of more than 9000 kinds of birds - over 1000 are in danger.

Birds endangered in the world:

Siberian white crane - hunted for feathers, farmers drain wetlands

Dalmation pelican - killed by fisherman who think they eat too much fish, wetlands being drained

Californian condor - eat animals killed by hunters, including the bullet and get lead poisoning

Blue bird of paradise - killed for feathers

Jackass penguin - oil pollutes sea, eggs taken for food, soil they make their burrows in taken and used for fertilizer

Birds endangered in Australia:

Gouldian finch - fire destroys habitat and food

Regent honeyeater - clearing of land

Plains wanderer - foxes, overgrazing of grasslands

Glossy black cockatoo - habitat loss, hollow logs for nests taken for firewood

Southern cassowary - habitat fragmented by roads, land clearing, dog attacks

4 How to save trees:

Put out campfires

Take your rubbish home

Don't break twigs, branches, carve bark

Recycle paper

Plant new trees

Protect National Parks

Clean car after being to the bush

Stay out of diseased areas

How trees are endangered:

Cleared for farming, towns

Shoots, leaves eaten by animals

Fire

Disease

5 Air pollution affects the whole world -wind carries it everywhere

Things that pollute the air:

Car exhausts

Smoke from fires

Factory waste

Ways to reduce air pollution:

Make sure the car exhaust system is working - no holes

Ride a bike, take the bus instead of driving the car

Plant trees

How nature keeps our air fresh:

Leaves of green plants take CO₂ from the air, mix it with water and sunlight to make food. Then they release oxygen into the air.

We breathe in oxygen and out CO₂. Not enough trees means not enough oxygen.

- 6 Water pollution can spread all over the world by the currents in the water, by migrating animals - whales, turtles, etc, and through acid rain when air pollution gets into the clouds

Things that pollute the water:

Oil from tanker accidents, spills & leaks from rigs

Oil from kitchens - put down drains instead of soaked up with paper towel (it takes 15 bathtubs of water to get rid of 1T oil)

Rubbish thrown on road sides gets washed down drains

Pesticides wash into rivers

Fertilizers get into rivers

Factory waste

How to stop water pollution:

Use natural fertilizers - manure, straw, compost, worms

Use natural pest control - ladybugs eat aphids

Pull weeds instead of spraying

Don't put oil down the sink