TOTAL media education

ANSWER GUIDE



Term 2, 2022

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Part 1: Island life

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Activity title								Aı	nsw	ers							
Biodiversity buzzwords		S	U	S	Α	М	В	L	T	Р	F	Z	C	Е	R	D	
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		Œ	L	В	Α	N		Α	T	S	U	5	D	T	0	S	
Biodiversity basics	Many living organisms, but few different types = low biodiversity Many living organisms, and many different types = high biodiversity Few living organisms, and few different types = low biodiversity Few living organisms, but many different types = high biodiversity																

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Activity title	Answers							
Isolated continent	birds – they are able to fly between Australia and other landmasses							
Biodiversity brainstorm	student's own response							

Activity title	Answers							
Living or non-living?	student's own response possible answers: living: bird, tree, lizard; non-living: rock, water, cloud							

Activity title	Answers
WA wildlife	true
	true
	false – there are hundreds of thousands
	false – there are over 1600
	true
	false
	true
Colour me in	plants: Marri, Grass tree, Kangaroo Paw, Banksia
	animals: Fairy Wren, Carnaby's Cockatoo, Western Brush Wallaby, Bush
	Curlew, Dibbler, Numbat, Western Swamp tortoise, White-bellied frog,

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Activity title	Answers							
Who am I?	Quokka, Perentie, Black Swan, Motorbike Frog, Little Penguin, Ghost Bat							
Top 10	student's own response							

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Activity title	Answers
Animal Fact File	student's choice of animals with research to confirm answers

Activity title	Answers							
Isolated oasis	Nearly 90% of the eucalyptus woodlands have been cleared. More than half of the 6759 identified plant species are endemic. 12 of the 280 native bird species are endemic 12 of the approximately 60 native mammal species are endemic, 175 reptile species are found here Nearly two thirds of the 30 amphibians here are endemic.							
Evaluate	student's own response consider that if we don't know about these areas we might lose species before we realise they need protection							
Explore								

Activity title	Answers									
Scrambled Species	Gilbert's Potoroo, Critically Endangered Turtle Frog, Least Concern Red Tingle Tree, Near Threatened Australian Pitcher Plant, Vulnerable Woylie, Critically Endangered									
Investigate	 wildfire introduced predators dieback (plant disease which destroys habitat and food sources) lack of genetic diversity climate change gaps in human knowledge about their ecology, habitat requirements and fertility Gilbert's Potoroo Action Grouvolunteer community group work to raise public awareness the plight of this species, ass research and recovery program 	What is being done • establishing backup populations on islands • implementing fire management strategies • controlling feral predators • monitoring populations Gilbert's Potoroo Action Group is a volunteer community group which work to raise public awareness about the plight of this species, assist research and recovery programs, and fundraise to pay for these								
	Species: Woylie									
	Threats Historical habitat clearing for agriculture ongoing habitat loss and fragmentation predation by feral cats and foxes disease and stress Historical habitat clearing species list in 1996 due to successful conservation programs a dramatic decline in nur from just three years lated them re-listed in 2008 verifying the causes of the declining population minimise fox and feral capredation establish back up population other areas (translocation public awareness about the plight of this species	mbers er saw ne at tions in n)								

Activity title	Answers
Home is where the habitat is	student's own response
Designer homes	student's choice of animals with logical wish list items for the species' chosen
Innovate	student's own response
Evaluate	student's own response possible answers: frogs, turtles, insects

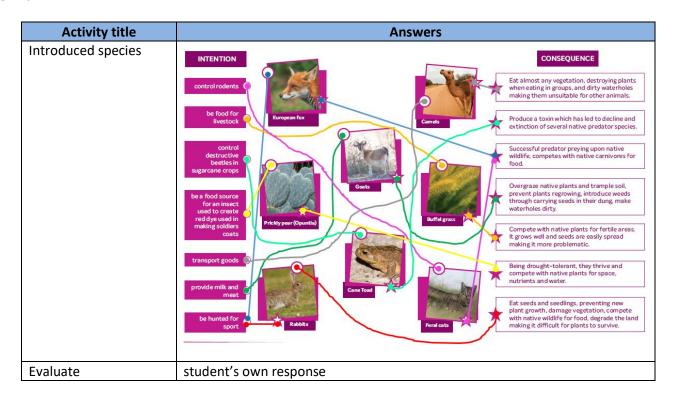
Activity title							Α	nswe	ers							
Habitats in WA	Top left to	bot	tom	right	t: urk	an,	dese	rt, w	ood	land	, wet	land	l, ma	ngro	ve, f	orest
Habitat diversity																
	A	L	0	W	N	S	P	L	Y	X	S	0	0	F	В	
	W	E	4	T	A	E	H	U	R	E	T	L	P	N	Z	
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	1.17 B.															

Activity title	Answers
A picture is worth a thousand words	Australian Raven Frogmouth Red Wattlebird insectivore (insects) Red Wattlebird opportunistic carrivore (meat, eggs)
Food is life	An animal that has no natural predators is considered to be at the top of its food chain. For example, Orcas (Killer Whales) are the top of their food chain, they are predators who eat other animals but no animal hunts and eats Orcas.

Activity title	Answers									
Functional feeding	producers									
	consumers									
	decomposers									
Wetlands food web	·	n to point to each species listed	l in the second							
	column									
	What is eaten	Who eats it								
	Pond weed and algae	Western Pygmy Perch								
		Black Swan								
		Mosquito larvae								
		Tadpoles								
	Moaning Frog	Musk Duck								
		Oblong Turtle								
		Swamp Harrier								
		Tiger Snake								
	Little Pied Cormorant	Swamp Harrier								
		Tiger Snake								
	Mosquito larvae	Musk Duck								
		Oblong Turtle								
		Western Pygmy Perch								
		Dragonfly nymph								
		Moaning Frog								
		Little Pied Cormorant								
	Musk Duck	Tiger Snake								
		Swamp Harrier								
	Oblong Turtle	Swamp Harrier								
	Tadpoles	Tiger Snake								
		Little Pied Cormorant								
		Musk Duck								
		Oblong Turtle								
	Western Pygmy Perch	Swamp Harrier								
		Tiger Snake								
		Little Pied Cormorant								
		Musk Duck								
		Oblong Turtle								
	Swamp Harrier	none								
	Dragonfly nymph	Moaning Frog								
		Little Pied Cormorant								
		Musk Duck								
		Oblong Turtle								
	Block Swee	Western Pygmy Perch								
	Black Swan	none Swamp Harrior								
	Tiger Snake	Swamp Harrier								
Connected	С									
	D									
	В									
	A									
L	1									

Activity title	Answers
Extinctions over time:	European settlement
Explore	
Extinctions over time:	student's own response
Evaluate	possible answers: humans using more natural resources, introducing non-
	native species, clearing areas of habitat to make farms and housing
Gone but nor forgotten	Thylacine
Threatened species	C
	D
	F
	G
	E
	В
	A
S.O.S.	All except for: look cute, foot size, colour, fewer tourists

Activity title	Answers
Breed for release	ABC
	В
	С
	A
	ABC
	В
Sanctuaries saving	to move from one place to another
species: Explore	
Sanctuaries saving	student's own response
species: Evaluate	
Giving frogs a fighting	they need to know how to catch their own food once released
chance	
What's on the menu?	Top left to bottom right: Western Swamp tortoise, Frogs, Dibbler, Numbat



Activity title		Answers
Does it belong: Explore	Fox – Introduced s	pecies – non-native
	Red Kangaroo – Na	tive to WA
	Magpie – Native to	WA
	Numbat – Endemic	
	Rainbow Lorikeet -	- Introduced species – native elsewhere in Australia
	Western Swamp To	ortoise – Endemic
	Laughing Kookabur	ra – Introduced species – native elsewhere in Australia
Does it belong:	Student's choice of	Rainbow Lorikeet or Laughing Kookaburra
Investigate	Common name	Rainbow Lorikeet
	When and why	1960s, a small number were either released or
	introduced to	escaped into the wild in WA and successfully bred.
	WA	Native to northern and eastern Australia
	Do they cause	Compete with native birds for nest hollows which
	any problems	threatens the survival of natives with declining
	in WA?	populations such as Red-capped parrot, Western
		Rosella and Australian Ringneck.
		Black cockatoos compete for food with Rainbow
		Lorikeets and have to compete for nest hollows with
		displaced native birds.
		Damage private and commercial fruit crops.
		They are a declared pest species
	Common name	Laughing Kookaburra
	When and why	Approx. 1897, introduced to control snake numbers
	introduced to	(by eating them).
	WA	Native to Victoria and most of eastern Australia.
	**^	Were introduced to south-west WA and Tasmania
	Do they cause	Although successful at controlling snake numbers
	any problems	they also prey upon other native species.
	in WA?	They are not considered to be a pest species
		They are not considered to be a post species
Who's tracks	Dingo	
Evaluate	student's own resp	onse

Activity title	Answers
Sorting species	student's own response
Classifying creatures	answers from video: size, shape, diet, habitat, type of babies other possible answers: covering (fur, scales, feathers etc.), limbs (arms, legs, tail, fins etc.), method of movement (walk, crawl, fly, swim etc.)
Flora or fauna?	Possible answers: animals must eat to survive, whereas plants are able to produce their own nutrition from air, water and sunlight; plants do not move themselves from place to place; most animals are mobile as they need to find food

Activity title	Answers
Invertebrates	Hydrostatic skeleton: bodies have cavities filled with fluid surrounding the
	muscles
	Exoskeleton: rigid outer casing that covers the body protecting the organs;
	has joints to help the animal move
Vertebrate	Across
classification	2. feathers
	5. coldblooded
	6. five
	8. mammals
	9. reptiles
	Down
	1. birds
	2. fur
	3. amphibians
	4. vertebrate
	7 fish
What am I?	0
	INVERTEBRATE 1
	• no spine
	MAMMAL • covering: hair or fur
	• reproduction: most give birth to live young
	3 · breathing: lungs · endothermic 2
	(warm-blooded) • feed young with milk
	from mammary glands
	REPTILE 3 • covering: scales made
	out of keratin reproduction: most lay
	fertilised, soft-shelled eggs
	breathing: lungs ectothermic
	(cold-bl∞ded)
	3 4 BIRD 6
	*covering: reathers *reproduction: lay fertilised,
	har dishelled eggs • breathing: lungs • endother mic
	• endother mic (warm-blooded) • have wings and beaks
	of the willings and beans without teeth
	AMPHIBIAN 5
	-covering: moist skin -reproduction: most lay eggs which are fertilised
	eggs which are returned outside the body • breathing: simple lungs
	and through skin, some
	2 ectothermic (cold-blooded)
	6 FISH
	• covering: scales made out of bory plates
	reproduction: most lay eggs which are fertilised
	4 eggs wind ale lettilised of utside the body • breathing gills
	- breatning glis - ectothermic (cold-blooded)
	(LUID-DIOUDED)

Activity title	Answers
Cocka-who?	left: C
	right: B
Scientific names	Western Grey Kangaroo Macropus fuliginosus Red Kangaroo Macropus rufus
	Unique to Western Grey Kangaroo:
	light to dark brown fur;
	finely-haired muzzle;
	paws, feet and tail tips vary from brown to black;
	smaller size and weight;
	found across southern Australia;
	Habitat: forests and grasslands
	Unique to Red Kangaroo:
	reddish-brown fur with a white belly;
	black and white markings on muzzle;
	white tipped tail;
	larger size and weight;
	found all over Australia;
	Habitat: arid areas
	Shared features:
	marsupials;
	carry young in their pouch;
	forward opening pouch;
	short fur;
	powerful hind legs;
	small forelimbs;
	big feet;
	long tail;
	crepuscular: most active between dawn and dusk;
	herbivore
	conservation status: least concern
	only found in Australia
Looks like a	Left to right: White-faced Heron, Red-backed Fairywren, Blue-billed Duck

Activity title	Answers
Plenty of plants	Top left to bottom right: Swamp Banksia, Grass Tree, Donkey Orchid,
	Illyarrie, Karri She-oak, Poison Pea
Flora facts	student's choice of plant and accurate facts

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Activity title	Answers
Give it a shot	student's own response

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Activity title	Answers
Caption this	student's own response
	(the actual winning caption is the second one)

Activity title	Answers	
You can do it!	possible answers:	
	 keep to marked paths when bushwalking; 	
	 don't litter, and pick up rubbish (if safe to do so) 	
	don't feed or touch wildlife;	
	 be a responsible pet owner: keep dogs on leads and cats inside, never release an unwanted pet into the wild; 	
	don't pick wild flowers – let them grow	
	 leave fallen logs, sticks and rocks in nature – they are probably part of an animals habitat 	
	join in planting days or citizen science projects	
	plant a native garden or make a frog pond at school or home	
	 donate money to a conservation group or do a fundraiser for them 	
	 share your knowledge about protecting biodiversity with others 	
Helping hands	Top to bottom: conservation, preservation, sustainability	
Anyone can be a	Type of wildlife you can record (from top to bottom): frogs, aquatic	
scientist	macroinvertebrates, all plants and animals, all plants	
National Threatened	student's own response	
Species Day		