

ANSWER GUIDE: Threatened three

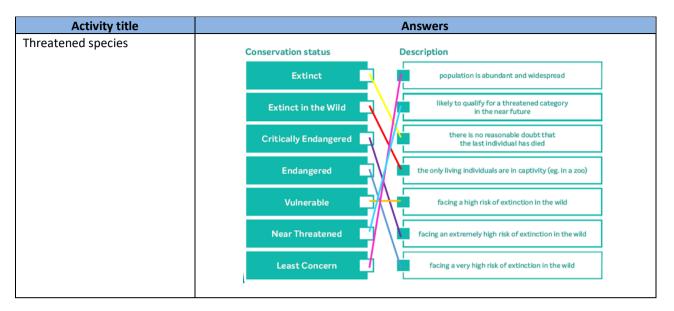


Term 2, 2020

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Part 1: Western Swamp Tortoise

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Activity title	Answers
Turtle or tortoise?	Some possible answers: Tortoises Live on land Club-like legs Lifespan 80-150 years Most are herbivores Can hide head and legs inside shell Can change metabolic rate to deal with food scarcity, so do not hibernate Freshwater turtles Thin, flat, streamlined and light shell Webbed feet Lifespan 20-40 years Carnivores or omnivores Most cannot hide head and legs inside shell Some avoid cold weather by hibernating until spring
Super shells	Plastron
Fact finding	T L L E H S D K S T K U R P S L E O L W E O B H N A B O L I R E O E L R B R E N A T O M R V E B B S T U Y E C A W N R W I C L R C E C E A A N S F A W N U L B M N C C L A W S L E P P M O G U M B E R S
Tiny turtle	Student's own answer

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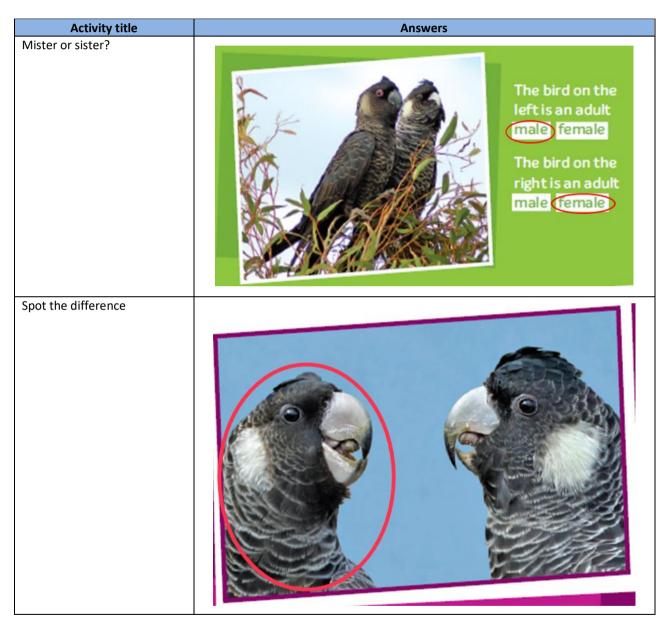
Activity title	Answers			
Meaning of aestivate	A state of dormancy, similar to hibernation, but takes place in summer rather than winter.			
Tortoise truths	True, false, true, false – they are their main predators			
Threats	Possible answers:			
	Threat	Impact		
	land clearing reduces already limited habitat			
	use of If these end up in the wetland they can impact water			
	pesticides quality reducing the liveability for the WST and it's food			
	and sources			
	fertilisers			
	fire	If not aestivating tortoises or eggs aren't buried deep		
		enough fire can kill them		
	fox	Foxes eat both the tortoises and eggs, when they are		
	predation	aestivating they are easy prey		

Activity title	Answers			
Beautiful babies	An insurance population is a backup, so if all the wild individuals die the species will not be extinct.			
	Adelaide Zoo's insurance population is a backup for the backup. If anything happens to the insurance population at Perth Zoo there will still be another insurance population.			
Friendly fellows: Explore	Match the activities that FoWST do to the benefit they have.			
	install aestivation tunnels at release sites attracts more insects, which increases the tortoises' food supply			
	release captive-bred tortoises makes more people aware of this endangered animal and how they can help			
	fundraising increases the wild population			
	revegetate release sites provides a safer alternative to aestivating under leaf litter			
	education at schools and community events enables the purchase of tracking equipment for monitoring released tortoises			
Friendly fellows: Investigate	Student's own answer			

Part 2: Carnaby's Cockatoo

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Activity title	Answers
Who's who	RED-TAILED BLACK COCKATOO BAUDIN'S BLACK COCKATOO



PAGE 2 continued

Activity title	Answers			
Threats	Possible answers			
	Threats	Solutions		
	large scale	protect remaining habitat		
	land clearing			
	bushfire	protect remaining habitat		
		prescribed burning to reduce fire risk		
	fragmented	protect remaining habitat		
	habitat	revegetate areas of lost habitat		
	road traffic	drivers should slow down when birds are on or by the road		
		to give them time to move away		
		grain spills on roads should be cleaned up		
		don't dump leftover food by the roadside or throw it out the		
		car window		
	small	protect existing habitat		
	population	plant more habitat make and install nest boxes		
	and slow	the check for nest hollows before pruning or removing trees on		
	breeding	your property		
	rate	, , , , , , , , , , , , , , , , , , , ,		
	illegal	some farmers resort to shooting cockatoos to stop them from		
	shooting	eating their crops as cockatoos can cause a lot of damage		
		• farmers could try covering crops with netting – it is the best		
		solution but can be very expensive		
		farmers could try deterrents such as CDs hanging to cause		
		sunlight reflection, gunshot sounds being played, silhouettes		
		of large birds of prey etc. to scare off birds		
		• shooting should be reported to authorities, there is a fine for killing cockatoos		
	illegal	• poaching should be reported to authorities, there is a fine for		
	poaching	smuggling native wildlife		
		educate people to not want to buy native animals from other		
		countries		
NA/le e/e the eve 2				
Who's there?		Baudin's long, narrow bills can extract seeds with little damage to the nut. They leave small, curved marks around the base and only minor damage, if any, to the rim.		
		Carnaby's short bills mean they have to chew the lip or the side walls of the nut to get to the seeds inside. They leave V-shaped or flat chips around the middle of the nut.		
		Forest Red-tailed's short bills mean they have to chew the lip or side walls to get inside the nut (like Carnaby's) but their wider bills leave long, flat marks. They shred the nut more than the other two species.		

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Activity title	Answers			
Distribution of Carnaby's Cockatoo	O Kalbarri O Kalbarri Kellerbarrin O Kandari			
Home sweet home	HOPRETAWEH WAIRRAKADO OTKAWENNAL OAUEBGADPL DTSPALGOSO LICJBSNOIW ABTUYKOYRS NARPTEWPRE DHWAISKNAB			
True or false?	Tick to show which statements are true. ✓ Females reach breeding age at four years old. ✓ During breeding season (July – December) large flocks split up into pairs and family groups. They lay1-5 eggs each breeding season. ✓ When multiple eggs are laid, they will usually only raise one chick to adulthood. ✓ While eggs are incubated by the mother for 28 days, the father brings her food. ✓ If a breeding attempt is unsuccessful, the pair will rarely use the same hollow the following year. They actually lay 1 – 2 eggs each season			
Turf wars	One possible URL: https://www.dpaw.wa.gov.au/images/plants-animals/threatened- species/carnabys artificial hollows - design and place 2015.pdf			

Activity title	Answers
Career in caring	Student's own response

Part 3: Numbat

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Activity title	Answers
Caption this	Student's own response

Activity title			Ans	wers	
Tasty termites	Student's own	response			
Not just a pretty face	ADAPTATIONS			HOW IT ASSIST	TS SURVIVAL
	st	triped fur F	Α	provide good vision approaching preda	
	eyes on side	s of head A	В	used to locate terr surface of the grou vibration	
	ears high on	the head D	С	able to get into na catch termites	rrow cracks to
	sha	arp claws G	D	allow early detection made by predators	
	sensi	tive nose B	Ε	helps young numb suckling (drinking I mother's teat)	
	flat snout a	as a baby 📘	F	offers camouflage woodland floor	against
	long, thin tongue C make it easy to cl trees to find shell ground to expose		er and to dig the		
Daytime is playtime	Possible answe	rs:			
		meaning			example
	Diurnal	Active during the da	ay		eg. Numbat
	Nocturnal Active at night Crepuscular Active at twilight (dawn and dusk)			Chuditch	
			and dusk)	Kangaroo	
L		1			

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Activity title	Answers			
Predators	Tick the animals which prey upon numbats ✓ goannas ✓ snakes ☐ rabbits ✓ feral cats ✓ birds of prey ☐ galahs ☐ kangaroos ✓ foxes Which of these are introduced predators? feral cats foxes			
Numbat country	Student's own response			
Lifecycles of the small and furless	Number the boxes 1-6 to put the stages of the numbat breeding cycle below in order. 4 Young are left in nest burrow and the mother returns to feed them milk. 1 Males' sternal glands (at the top of the chest) release an oily substance which turns the fur red and has a strong smell. They rub this on logs and rocks to advertise they are looking to mate and to warn off other males. 6 They are independent and leave their mother to find their own territory by 12 months old. 5 At 8-9 months old, young start to leave the burrow. Their flat snouts become pointed to help them forage for termites and their eyes open.			
Banded babies	Words in order: hollow, overnight, monitor, aerial, information, roam, breeding, young, female, tracking			

Activity title	Answers
All in a day's work	Student's own response