# **TOTAL** media education

# **ANSWER GUIDE**



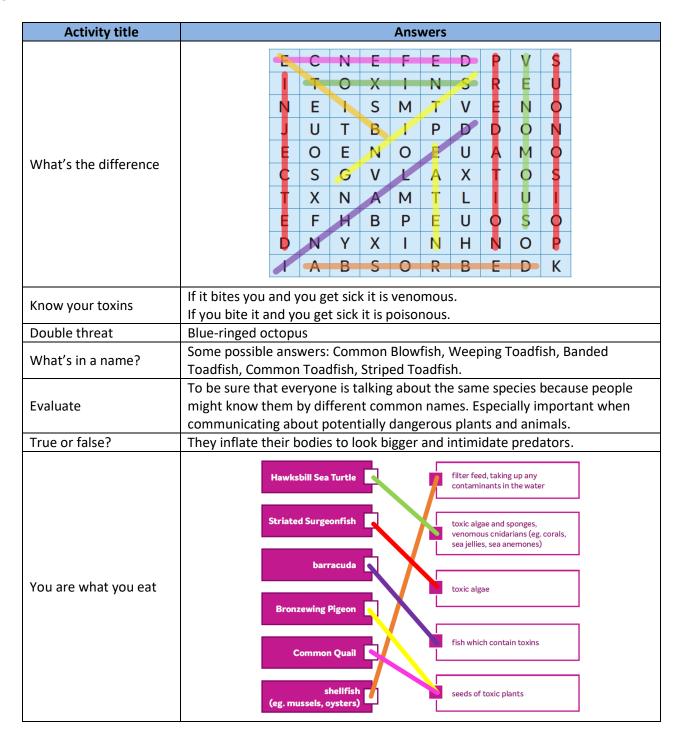
Term 2, 2021

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### **Part 1: Poisonous**

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Activity title	Answers
Deadly, dangerous or	Student's own response
scary?	Student 3 Own response

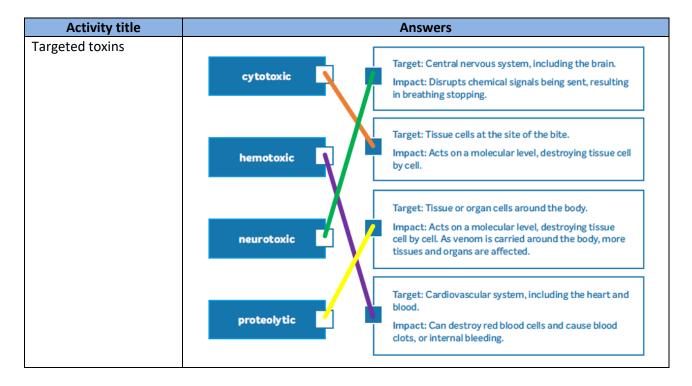


Activity title	Answers
Poison peas	Gastrolobium spinosum is Prickly poison Gastrolobium villosum is Crinkle-leaf poison Gastrolobium bennettsianum is Cluster poison
Poisons in the pasture	Introduced species like the fox and dog are new to the country and hadn't evolved to develop the tolerance to the poison pea that local native species had. Native species from other parts of Australia would also not be able to eat the poison pea for the same reason.
Protective poison: Investigate	Suggested website: <a href="https://www.dpaw.wa.gov.au/management/pests-diseases/westernshield/western-shield-fox-and-cat-baiting-locations">https://www.dpaw.wa.gov.au/management/pests-diseases/westernshield/western-shield-fox-and-cat-baiting-locations</a>
Protective poison: Evaluate	Student's own response.
Poisonous or not?	Some possible answers: seeds were ground into flour to be eaten; the poison was used to stun fish to make them easier to catch, leaves were used for thatching, the fluffy 'wool' at the base of the leaves was used as kindling to make fire
Introduced poisonous pals: Discover	1. EGG 2. LARVA 3. PUPA 4. ADULT
Introduced poisonous pals: Explore	

Activity title	Answers					
Toxic traveller	Protect sugar cane crops from insects.					
Toad busters: Explore						
Toad busters: Evaluate	Student's own response.					
Natives, not a nuisance	Hooting Frog (Heleioporus barycragus) Chocolate brown with yellow spots. They are the largest of the Heleioporus frogs in WA.  Moaning Frog (Heleioporus eyrei) Brown mottled back with light front limbs. They get their name from the long, drawn out, mournful call males make.  Western Spotted Frog (Heleioporus Albopunctatus) Globular build. The species name gives a clue to its appearance – albo means 'white' and punctatus means 'spot'.					
Clever creatures	true false – Estuarine Crocodiles can, but Freshwater Crocodiles can't true false					
	true – Keelback Snakes have adapted to have smaller heads so they can eat					
	Cane Toads safely. Those with large heads tried to eat larger (and therefore more poisonous) Cane Toads and died without producing offspring. Those					
	with smaller heads could only eat smaller (and therefore less poisonous) Cane					
	Toads, which did not kill them. They reproduced and passed on their 'small					
	head' genes to their offspring, who in turn would also produce small headed					
	offspring capable of eating young Cane Toads.					

### Part 2: Venomous

#### PAGE 1



Activity title	Answers					
Sss-snakes	Scientific name	Notechis scutatus	Pseudonaja affinis	Oxyuranus scutellatus		
	Common name	Tiger Snake	Dugite	Coastal Taipan		
	Where found	south-west & south-east Australia, inc. Tasmania	southern WA	northern WA, northern NT, QLD & north-east NSW		
	Interesting fact	eg. They give birth to live young.	eg. They use both envenomation and constriction to subdue prey.	eg. Adults undergo a seasonal colour change – lighter in summer and darker in winter.		
Snake safety	and long so ankle level see a snak don't reacl left outside garden be	ocks when bushwalkin; avoid walking in longe; stomp your feet who n into dark places such e as snakes may be res	g as snake bites are go grass – if you can't se en walking to alert sna as under logs or into sting in there; if you ha	akes to your presence; bags which have been		
Explore: first aid	-	table medical source f t will include using a p 000.	·			

#### **PAGE 2 CONT.**

Activity title	Answers						
Explore: death adder	Common Death Adder: southern WA						
	Desert Death Adder: wes						
	Kimberley Death Adder: Kimberley region (northern WA)						
	Pilbara Death Adder: Pilb	_			4)		
	Rough-Scaled Death Add	er: north-e	ast WA	١			
Valuable venom							1
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Snakes at sea							
	adaptation			how	it he	lps	
						•	
	Classicand						
	flattened	Acts	like a	padd	le to a	ssist s	swimming
	oar-like tail						
	nostrils on top of	Ca	n put	tip of	nose	out of	water
	the snout		-	-	oreath		
			Stops	wate	r ente	ring lu	ungs
	valved nostrils can				under		
	be closed		v				

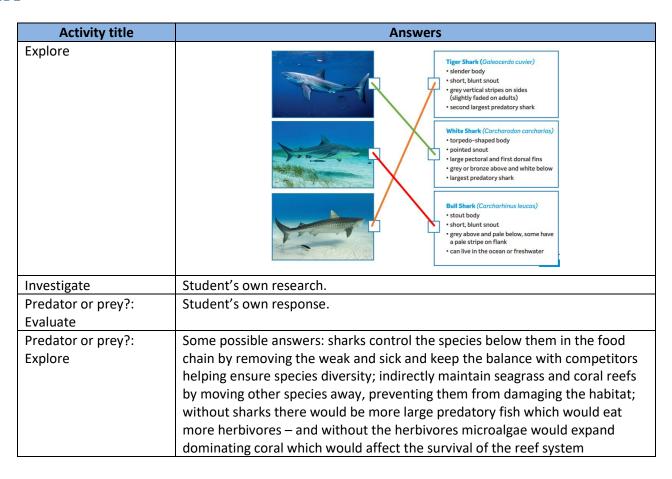
Activity title	Answers
Venomous marine life	A6, B3, C1, D5, E2, F4
True or false	Tick to show which of the statements below about blue-ringed octopus are true, and which one is false.  are small – body is around 5cm and arms 10cm have eight arms with rows of muscular suckers don't have eyes have three hearts have blue blood are good at camouflage are highly intelligent
Nasty nip	They draw water into their body then eject the water through a funnel, which can be pointed in different directions. Pushing water out of their body through this funnel allows them to move quickly.
Bluebottles	Remove tentacles with tweezers if still attached, rinse area with water or vinegar, don't rub or itch, immerse area in hot water to kill the protein in venom which causes pain. If hot water not available, apply a cold pack for pain relief. Seek medical attention for severe reactions or stings to throat or face.
Sea jellies	surfing

Activity title	Answers
Explore: Redback	Males are: much smaller than the female, light brown with white markings on
Spider	the back (no red stripe) and lack the distinctive rounded abdomen of females.
Evaluate: Redback	Student's own response.
Spider	
Explore: Ants with	Protect the queen in the nest.
attitude	Use stinger to capture insect prey to carry it back to the nest.
Discover: Ants with	Nectar and other plant juices
attitude	Insect prey
Bzzzzz	Australia has some stingless bees.
Watch out for wasps	They feed on other insects people consider pests to the plants in their garden,
	such as caterpillars and beetles.
	They pollinate plants.
Small stingers	Scorpion
	Centipede

## Part 3: Strong, sharp or stealthy

#### PAGE 1

Activity title			Aı	nswe	rs				
Sharp and spiky	<b>*</b>		K	C		R	P	]	
		_							
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	N	С	R	Т	U	E	P		
	S	E	S	0	M	0	D		
								•	



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Activity title	Answers					
Shark safety	safety tips	reason				
	avoid swimming at dawn and dusk	this is when most sharks are most active				
	swim at patrolled beaches	lifeguards are on duty and can warn of shark sightings				
	don't swim where people are fishing	sharks may be attracted by their food source – thrashing fish, bait or blood in the water				
	swim in a group	sharks are more likely to approach people who are alone				
	remove shiny jewellery	light reflects off jewellery in a similar way to fish scales, attracting nearby sharks looking for food				
Shark safety	deterrents use different method	I receptors in their snouts to find food. Shark Is to interrupt these receptors causing an ark if it gets close, thus the sharks move away				
Shark silhouette		SLITS DORSAL FIN  EYE  SNOUT  MOUTH				
Light and dark	from being noticed from above, colour on the belly blends in wit	avironment. The dark colour on top prevents it as it blends in with the deep ocean. The light h the lighter surface of the water when amouflage assists them when hunting, or				

Activity title	Answers					
Teenage tempers	Southern Hairy-nosed Wombat ( <i>Lasiorhinus latifrons</i> ). Found south-east WA.					
Protective parents	True False					
	they only swoop during breeding season (August to October)					
	walking in a confident stance can deter swooping					
	magpies can remember and recognise people					
	if you crouch in fear a swooping magpie will leave you alone					
	they defend a small area (approx. 100m radius around the nest)					
	they are more likely to swoop cyclists and postal workers					
When trees attack!	Student's own response.					
	Consider: they are native species; provide habitat for possums and birds; gum					
	trees with well-established root systems are beneficial in storms as they absorb the brunt of the wind lessening the impact on houses/cars etc.; the					
	chances of being killed by a falling branch are quite low					
Mozzie facts	Mozzie facts					
	Choose the right word to complete these facts:  Discover					
	• They feed on plant NECTAR , not blood.					
	Only FEMALES bite as they need BLOOD protein to produce their eggs.					
	Eggs are laid in WATER and only a few millimetres is required for breeding.					
	<ul> <li>Lifecycle: the egg, LARVA , and pupa stages are becoming flying adults.</li> </ul>					

Activity title	Answers
Tail as old as time	A1, B2
Largest living reptile	Some possible answers: colouring allows them to camouflage; their eyes, ears
	and nostrils are on top of their head so they can wait motionless with just
	those above water; they can move without creating ripples in water; can
	remain underwater for at least 1hr; they can move very fast through water
	appearing suddenly next to prey
Caution crocs	Some possible answers: obey all warning signs; don't allow pets or children to
	wander near the water; stay at least 3m away from the water's edge when
	fishing or camping; do not enter the water to retrieve fishing line; don't clean
	fish by the water or dispose of fish remains where people use the water; don't
	dangle arms or legs out of boats; don't swim or even paddle; never feed them;
	avoid returning to the same place to access water; don't do chores at the
	water's edge (collect water in a bucket then do washing/food prep elsewhere)
Protected predator	Some possible answers: apex predators remove sick and weak fish allowing
	the healthy to reproduce; eat indiscriminately preventing dominance of a
	single fish species and maintaining biodiversity; their excrement provides
	nutritious food for fish; eating prey whole prevents leftover decaying flesh
	spreading harmful infections; during the dry season they guard water points
	from terrestrial animals preserving the aquatic life within; they maintain their
	own population eating smaller crocodiles when there are too many of them