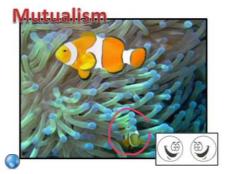
Thanks
Franky
#EcoPoints

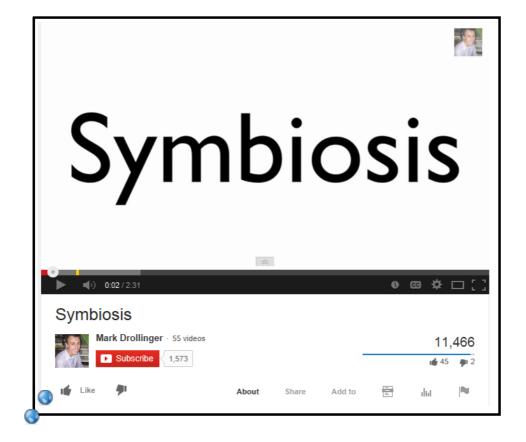


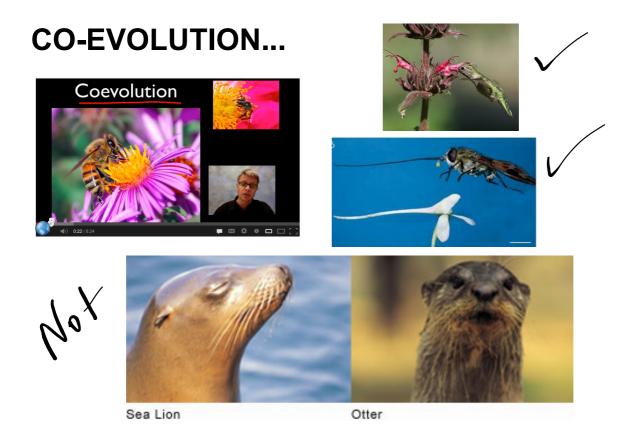


REVIEW









KESAB Patawalonga and Torrens Waterwatch

Activity 6 - FOOD WEB WORKSHEET

Read through the text. Design a food web and answer some questions from the following information:



The Torrens River starts in the Adelaide hills as several small creeks which join to form one larger creek. As it winds its way down the hills to the city, more and more water is added. It generally only flows in winter, when the rainfall is sufficient, and dries up into small waterholes during the summer. A weir is used to hold water permanently in the city. It is surprising how many organisms rely on the river for their existence.

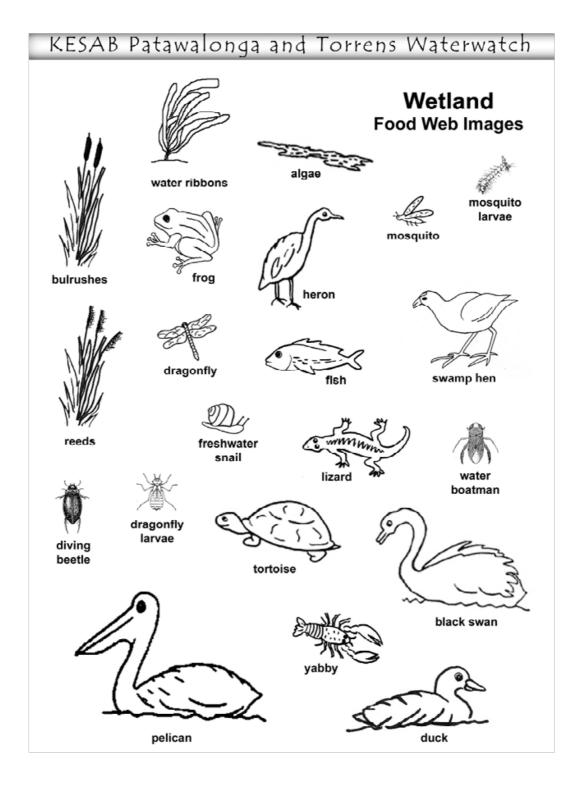
Algae can be observed growing in the water, as well as water ribbons (*Triglochin procerum*). On the water's edge, fluffy topped reeds such as the common reed (*Phragmites australis*) and the bulrush (*Typhus sp*) grow. Water boatmen are observed swimming in the water. They are eating the algae and reeds. Mosquito larvae also eat the algae while the freshwater snail eats both the algae and water ribbons. A long necked tortoise pokes its nostrils above the water. The tortoise eats the algae too, as well as feeding on snails, boatman and yabbies. The water boatman provides food for many species including fish, frogs, diving beetles and dragonfly larvae. The yabbies are scavengers, feeding on rotting plant and animal matter, while bacteria also help break down this dead material by digesting it and recycling nutrients in the food web. The mosquito larvae are considered a delicacy for several varieties of fish (such as the big-headed gudgeon or the congolli).

Birds are in abundance along the waterway. Pacific black ducks are feeding on fish, dragonfly larvae and diving beetles, while the occasional visiting pelican feeds on fish, frogs and dragonfly larvae. Black swans make a beautiful sight, bending their elegant necks to forage under the water grazing on the water ribbons, snails and an occasional fish. The white-faced heron makes a meal of the fish and frogs. The purple swamp hen runs quickly from the bulrushes where it feeds on the tender growth of the bulrushes and also makes its nest. On the bank a blue-tongue lizard is sunning itself in a warm rock. It snaps at the dragonflies and diving beetle and beware the unwary frog, the lizard will sometimes eat them too.

1. Use the pictures provided to construct a food web

It is best to start with the producers and build up. When you are happy with your placement, glue/write the animals in place and complete the arrows to show the flow of energy. You may need to read through parts of the text again.

Producers



SOLUTIONS...

1. Complete the chart. (10)

Producers	First Order Consumer	Second Order Consumer and Higher
- algae	- water boatman	- tortoise
- water ribbons	- mosquito larvae	- fish
- common reed	- freshwater snail	- frog
- bulrush	- tortoise	- diving beetle
	- gabby	- dragonfly larvae
	- black swans	- pacific black duck
	- swamp hen	- pelican
	- dragonfly	- black swan
	- bacteria	- heron
		- lizard

- 2) Food Web: Cut and layout organisms FIRST...then tape/glue.
 - * All possible food chains [32 total] are...

algue -> water boatmen -> dryonfly larve -> pelican algue -> water boutines -> dry infly larvae > duck Shelgae > water boatmen > diving beetles > duck alque > hater boutmen > diving beetles > lizard Lalque > water boutmen -> tortoise 4 Calgae > water boutmen > fish > pelican algue > water boutmen => fish > heron algue > water boutmen > fish > black duck algue > water boutmen > fish > black swan Calgae > mosquito > fish > heron algue > mosquido larone > fish > black swan I algues mosquito larve - fish -> pelican Lulque -) mosquito larone & fish's black duck 2 [algue > freshwater Snails > tortoise algue > treshwater prails > black swan ([alghe -> tox toise

1 [Common reed > water bostman > tortoise 2 [Common reed > water boutmen > dragonfly larvae > plican Common reed > hater boutment dragonfly larvae > duck 2 [Common reed > water boutmen > diving beetles > lizard: (Common reed > water boutmen > fish > black swan lommon reed > water boutmen > fish > harm Common reed > water boutmen > fish > pelican common reed > water boutmen > fish > black duck 3 (Common reed > water boatmen > frog > pelican Common reed > hater boatmen > frog > lizard Common reed > water boatmen > frog > herm 2 [water libbons > fresh water Smuils > black swan buter libbons > fresh water prails > tortoise I [water 1:35ons -> black swan 1 [buliush > purple Swamp hen

* Answers will vary...be sure to have correct number of species!

3.	Write	your food chains below.	(7)
	<u>(i)</u>	water ribbons > black swan	
		bulrash > purple swamp hen	
		well silling - freshreder smills of black Swan	
	(ii)	flocuse first consumer sharts -> black swan	
	(iii)		
		Common (seed > water boutmen > diving beetle > lizard	

LAB: Barn Owl Pellet Dissection

Lab - Owl Pellet Dissection.pdf







Check out these after you complete the lab...













Lab - Owl Pellet Dissection.pdf