



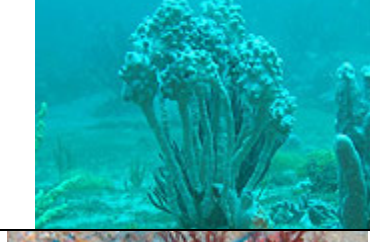









## Activity 5: Creature Features Teachers Guide

### Part B: What the ....?

Specimen	Picture	Phylum	Notes
A		<b>CNIDARIA</b>	Anemone growing in soft sediment in Cape Howe Marine National Park
B		<b>PHAEOPHYTA</b>	Crayweed in Point Addis Marine National Park
C		<b>CHLOROPHYTA</b>	A common green algae ( <i>Caulerpa sp.</i> ) in Cape Howe Marine National Park
D		<b>CHORDATA</b> <b>CLASS:</b> <b>OSTEICHTHYES</b>	A gurnard in Cape Howe Marine National Park
E		<b>CHORDATA</b> <b>SUB-PHYLUM</b> <b>UROCHORDATA</b>	Large sea squirts in Point Hicks Marine National Park
F		<b>RHODOPHYTA</b>	A soft red algae in Point Addis Marine National Park

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<b>G</b>		<b>MOLLUSCA</b>	New Zealand Screw shells in Cape Howe Marine National Park
<b>H</b>		<b>ECHINODERMATA</b> <b>CLASS: ASTEROIDEA</b>	A large cushion star in Point Hicks Marine National Park
<b>I</b>		<b>CHORDATA</b> <b>CLASS: CHONDRICHTHYES</b>	A shark Point Hicks Marine National Park
<b>J</b>		<b>PORIFERA</b>	A soft red algae in Point Addis Marine National Park
<b>K</b>		<b>MOLLUSCA</b>	A marine snail in Point Hicks Marine National Park
<b>L</b>		<b>ECHINODERMATA</b> <b>CLASS: ECHINOIDEA</b>	Long spined sea urchins in Point Hicks Marine National Park

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**Answers for online key activity**



Pic A – Anemone  
Phylum: **CNIDARIA**



Pic B - Brown Algae  
Phylum: **PHAEOPHYTA**



Pic C – Green algae  
Phylum: **CHLOROPHYTA**



Pic D – Gurnard  
Class: **OSTEICHTHYES**



Pic E - *Pyura spinifera*  
Sub Phylum:  
**UROCHORDATA**



Pic F – Red algae  
Phylum: **RHODOPHYTA**



Pic G – Screw shells  
Class: **GASTROPODA**



Pic H – Seastar  
Class : **ASTEROIDEA**



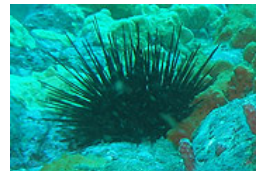
Pic I – Shark  
Class:  
**CHONDRICHTHYES**



Pic J – Sponge  
Phylum: **PORIFERA**



Pic K – Top Shell  
Class: **GASTROPODA**



Pic L – Sea urchin  
Class : **ECHINOIDEA**

**Answers for Online key activity**

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## Marine Mapping Education Resource Kit

### Activity 5 – Creature Features

#### SIMPLE DICHOTOMOUS KEY TO VICTORIAN MARINE LIFE

1.a. Is it a plant? (makes food from sunlight)	-----	Go to 2
1.b. Is it an animal? (eats food)	-----	Go to 4
2.a. Is it coloured green?	-----	Phylum: <b>CHLOROPHYTA</b> (Green Algae)
2.b. Is it a different colour to green?	-----	Go to 3
3.a. Is it brown?	-----	Phylum: <b>PHAEOPHYTA</b> (Brown Algae)
3.b. Is it pink or red?	-----	Phylum: <b>RHODOPHYTA</b> (Red Algae)
4.a. Does it have a backbone?	-----	Phylum: <b>CHORDATA</b> Go to 5
4.b. Does it have no backbone?	-----	Go to 8
5.a. Does it have fins?	-----	Go to 6
5.b. Does it have no fins?	-----	Go to 7
6.a. Does it have a mouth below the head?	-----	Class: <b>CHONDRICHTHYES</b> (Cartilaginous Fish – Sharks and Rays)
6.b. Does it have a mouth at the front of the head?	-----	Class: <b>OSTEICHTHYES</b> (Bony Fish)
7.a. Does it have fur?	-----	Class: <b>MAMMALIA</b> (Mammal)
7.b. Does it have feathers?	-----	Class: <b>AVES</b> (Bird)
8.a. Does it have an asymmetrical body (i.e. cannot be equally divided into similar parts)?	-----	Phylum: <b>PORIFERA</b> (Sponges)
8.b. Does its body show symmetry ( can be divided into two or more similar parts)	-----	Go to 9
9.a. Does its body show radial symmetry (can be divided into a number of equivalent parts)?	-----	Go to 10
9.b. Does its body show bilateral symmetry (can only be divided into a two equivalent parts)?	-----	Go to 12
10.a. Does it have a hard covering of the entire body?	-----	Go to 11
10.b. Does it have no hard covering?	-----	Phylum: <b>CNIDARIA</b> (Anemones, sea jellies and corals)

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11.a. Does it have a body covered in spines?	-----	Phylum: <b>ECHINODERMATA</b> Class : <b>ECHINOIDEA</b> (Urchins)
11.b. Does it have a body that is covered plates?	-----	Phylum: <b>ECHINODERMATA</b> Class : <b>ASTEROIDEA</b> (Seastars)
12.a. Does it have a shell covering the entire body?	-----	Go to 13
12.b. Does it have no shell covering?	-----	Go to 14
13.a. Is the shell a single spiral over the whole body?	-----	Phylum: <b>MOLLUSCA</b> (Molluscs) Class: <b>GASTROPODA</b> (Snails)
13.b Is the shell made of jointed segments over the whole body?	-----	Phylum: <b>CRUSTACEA</b> (Crustaceans)
14.a Is the animal free moving and have one only obvious opening or siphon?	-----	Phylum: <b>MOLLUSCA</b> (Molluscs) Class: <b>CEPHALOPODA</b> (Octopus, squid, cuttlefish)
14.b. Is the animal attached to the sea floor and have two obvious openings or siphons?	-----	Phylum: <b>CHORDATA</b> Sub Phylum: <b>UROCHORDATA</b> (Sea Squirts and Acscidians)

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