



Rock Platform Excursion

to

Shelley Beach Cronulla

Jonathon Hornibrook

www.beverlyhg-i.schools.nsw.edu.au/excur_cron.html

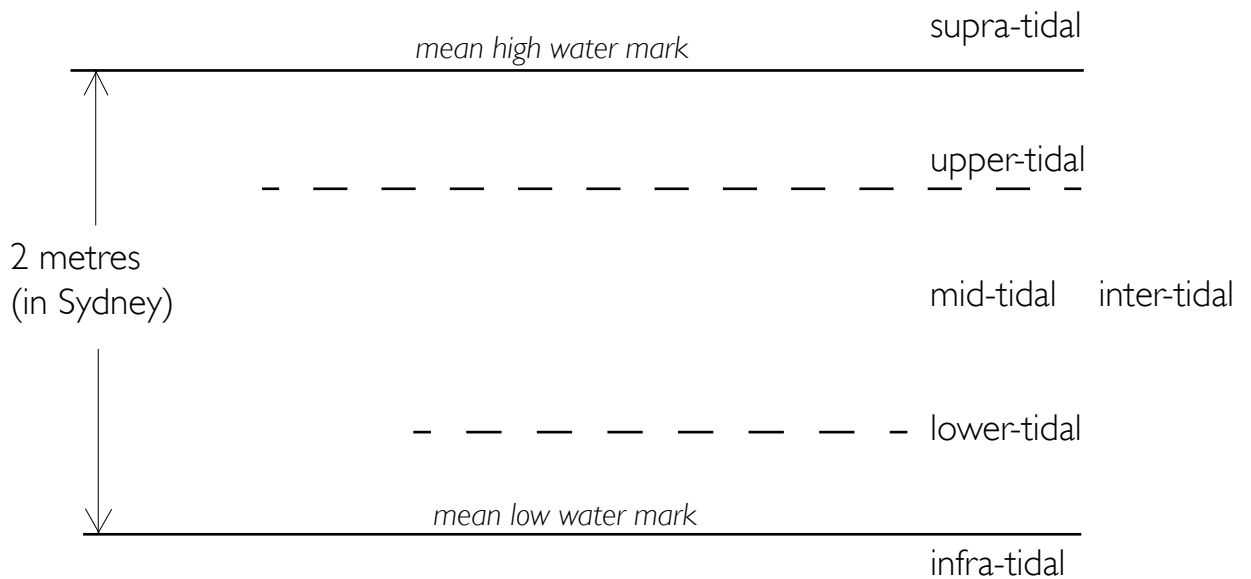


Rock Platforms

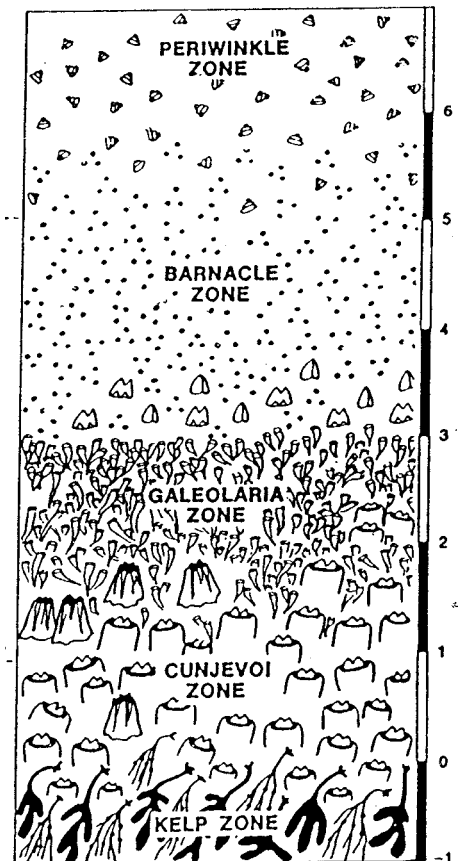
Rock Platforms are divided into **Zones**. In each of these zones a type of animal or plant is common. These animals or plants are called **Indicators**.

Indicators show us which **Zone** we are in.

Here are the **Zones** on a rock platform.



ZONE	INDICATOR
Supra-tidal	Blue Periwinkle (10) Knobbly Wink (2)
Upper-tidal	Barnacles (3) Limpets (4)
Middle-tidal	Galeolaria (tube worm) (5)
Lower-tidal	Cunjevoi (sea squirts) (6)
Infra-tidal	Kelps (7) and Cunjevoi



Rock Platforms

Adaptions of Organisms on the Marine Rock Platform

Zone	Water	Food	Shelter
A			
B			
C			
D			

NEW WORDS

adaption

marine

platform

shell

wave

suction

cemented

predator

zone

filter

cluster

dislodge

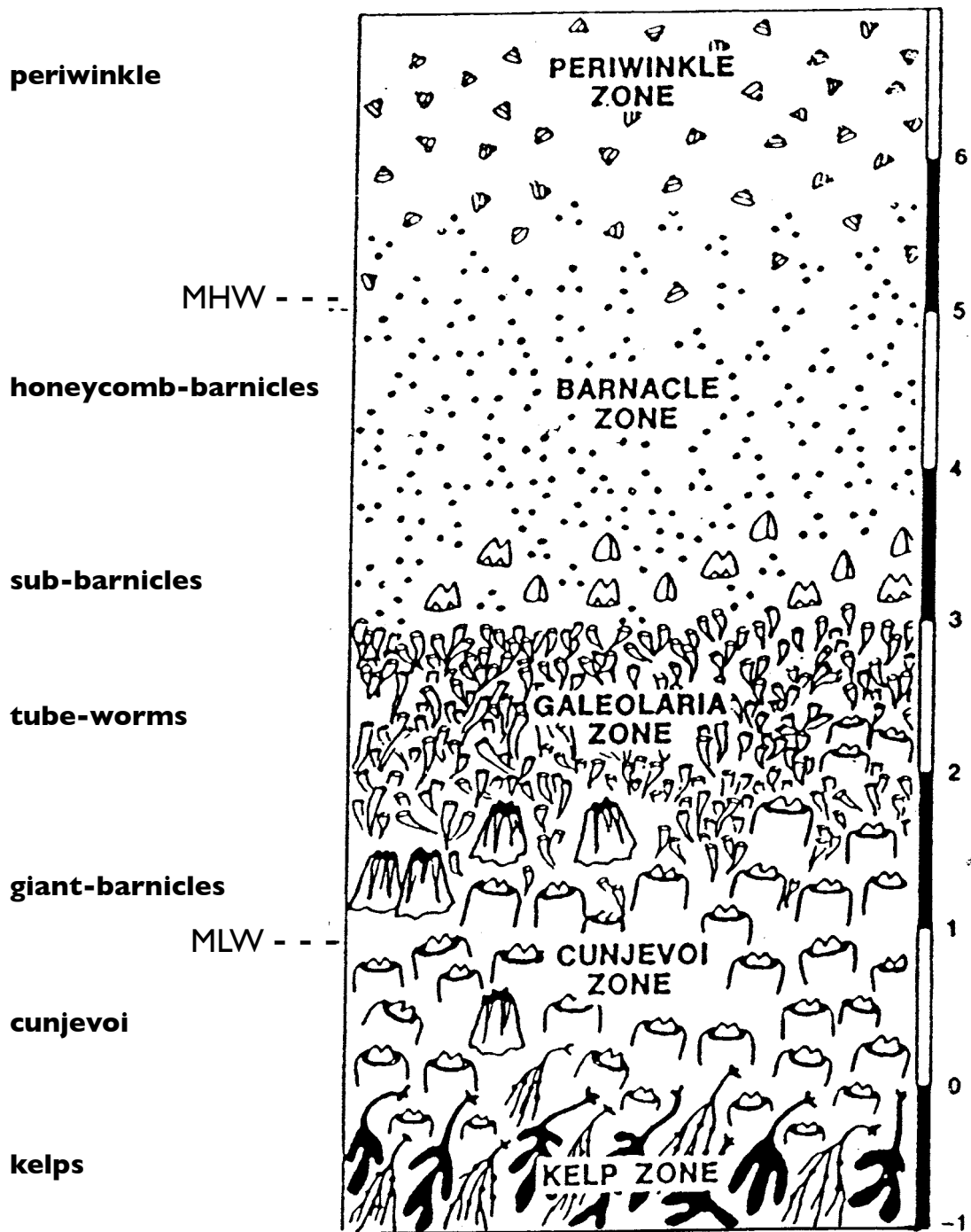
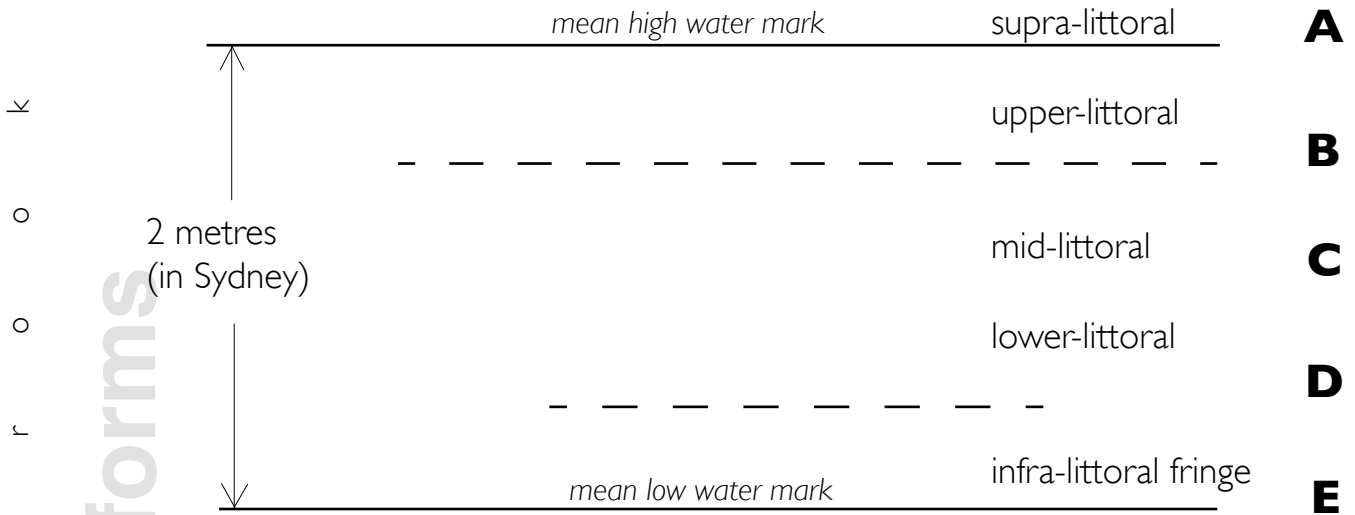
seaweed

watertight

shaded

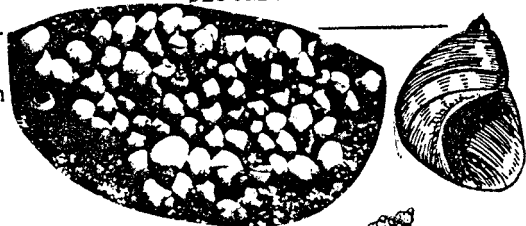

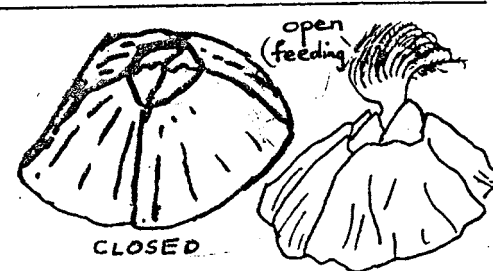



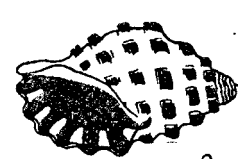


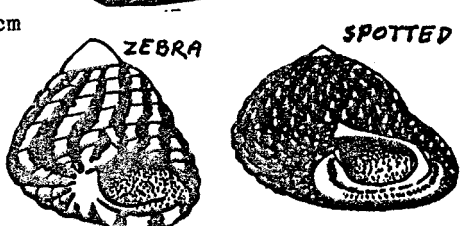


Rock Platform Zones



Organisms of the Marine Rock Platform

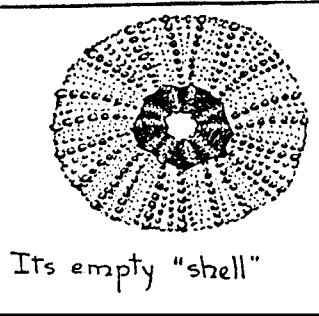
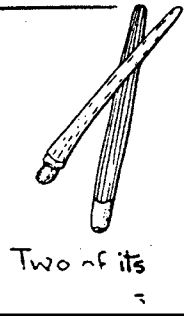
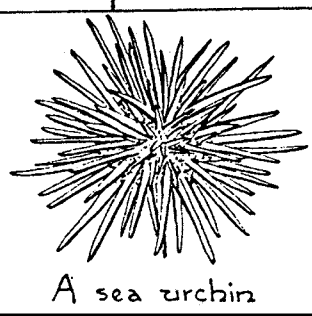
(A) The Animals

specimen number	name	size	picture
1	Blue Periwinkle (Melaraphe)	1 cm	
2	Knobbly Wink (Noddilittorina)	1 cm	
3	Barnacle (Tetraclita =4 plates)	0.1mm to 5 cm	
4	Limpet	1 cm to 5 cm	
5	Galeolaria (Tube worm)	tubes 2-4 cm long 1 mm thick	
6	Cunjevoi (PYURA; sea squirt)	5cm to 15cm high	
8	Morula (Mulberry shell)	1-2 cm	
9	Dicathais (Cart Rut shell)	3-10 cm	
10	Black Nerita (Melanerita)	2 cm	
11	Top Shells (Austrocochlea)	2 cm	



Organisms of the Marine Rock Platform

specimen number	name	size	
12	Turban Shell	2-5 cm	
13	Crab	1-15 cm	
14	Chiton (note 8 plates)	2-10 cm	
15	Sea Anemone	2-8 cm	 open to eat → ↓ closed
16	Echinoderms (starfish, brittle star, sea urchin)		 1 2 3
17	Worms (Annelids)	1-7cm	
(B) <u>THE PLANTS</u>			
18	Neptune's Necklace (Hormosira)		
7	Kelp (Ecklonia)	(see specimen and photo)	
19	Ulva (sea lettuce)		



k
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Organisms of the Marine Rock Platform

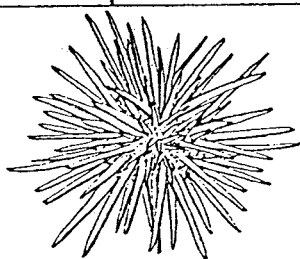
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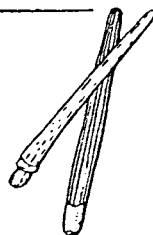


Organisms of the Marine Rock Platform

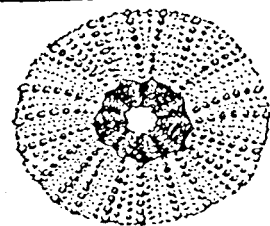
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A sea urchin



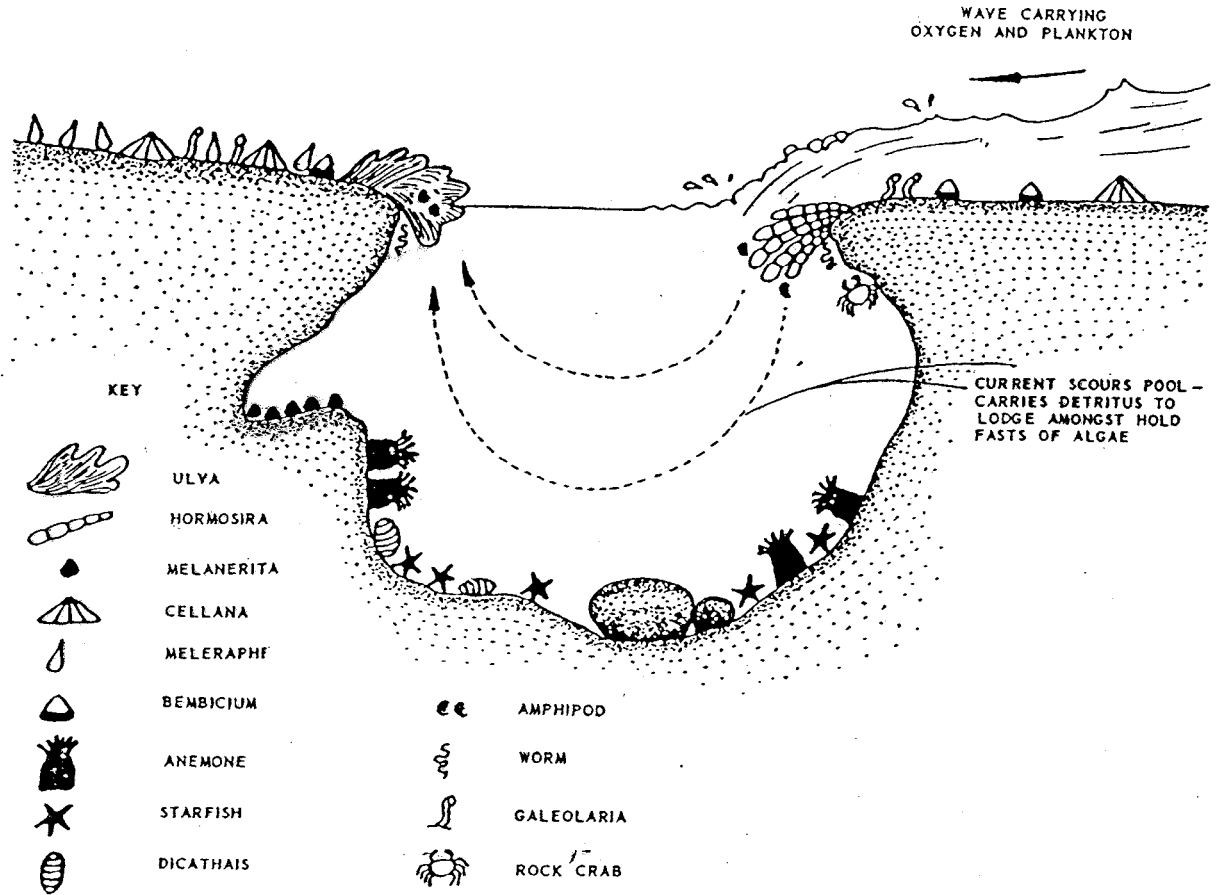
Two of its



Its empty "shell"



Plants / Animals of the Rock Pool



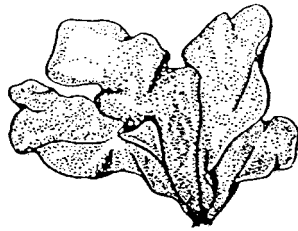
What food chains could happen here?



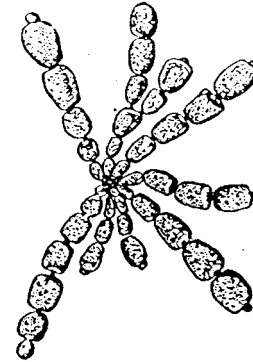
Types of Feeders

Photosynthetic Algae

Ulva



Hormosira



HERBIVORES

MELARAPHE



BEMBICIUM



CELLANA



MELANERITA



AUSTROCOCHLEA

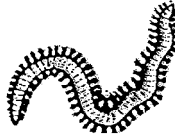


DETRITAL FEEDERS

AMPHIPOD



WORM



SCAVENGERS

CRAB



FILTER FEEDERS

SPONGE



GALEOLARIA



CARNIVORES

ANEMONE



MORULA



DICATHAIS



STARFISH

