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Rock Platform Excursion

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.**

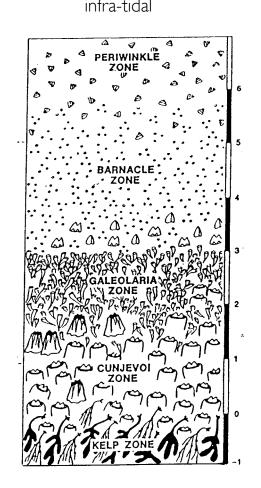
Indicators show us which **Zone** we are in.

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

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	mean high water mark	supra-tidal	
_		upper-tidal	
2 metres (in Sydney)		mid-tidal inter-tida	l
		— – lower-tidal	
$\underline{\downarrow}$	mean low water mark		
		infra tidal	

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



Rock Platforms

Adaptions of Organisms on the Marine Rock Platform

Zone	Water	Food	Shelter
A			
В			
С			
D			

adaption	
marine	
platform	
shell	

NEW WORDS

zone
filter
cluster
dislodge
seaweed
watertight
shaded

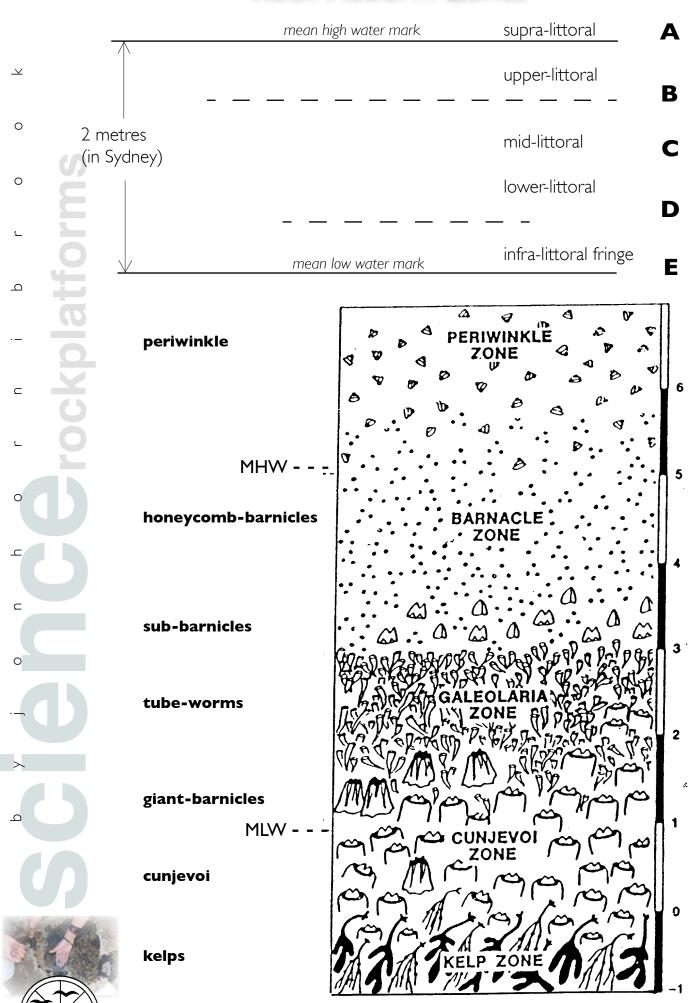
predator

wave suction cemented

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Rock Platform Zones



Rock Platforms

(A) The Animals

	specimen number	name	size picture
0	1	Blue Periwinkle (Melaraphe)	1 cm
	2	Knobbly Wink (Noddilittorina)	1 cm
Datto	3	Barnacle (Tetraclita =4 plates)	O.1mm to 5 cm
	4	Limpet	1 cm to 5 cm
•	5	Galeolaria (Tube worm)	tubes 2-14 am long 1 mm thick
4	6	Cunjevoi (PYURA; sea squirt)	Sem to 15 cm high
0	8	Morula (Mulberry shell)	1-2 cm
\	9	Dicathais (Cart Rut shell)	3-10 cm
9	10	Black Nerita (Melanerita)	2 cm
	11	Top Shells (Austrocochlea)	2 cm SPOTTED

ſ	1	·	1	1		ĺ
		specimen numbe	r name	size		
<u> </u>		12	Turban Shell	2-5 cm		
	Ń			V.		
0	tre				(de)	
	3	13	Crab	1-15 cm		
0	entimetres					<i>j</i> y
	Ü	14	Chiton	2-10 cm		
	700		(note 8 plates)		Section of the sectio	
G					MILL	tclosed
9		15	Sea Anemone	2-8 cm		Lasea
			ОР	to eat		
			'	to eat		
					1 / Dun	
_	4	16	Echinoderms	#		
			(starfish, brittle sea urchin)	star,	Million / Star	The same of the sa
<u> </u>			9			
						Maria Maria
0	ļ			3		
ح	<u> </u>	17	Worms (Annelids) -	7cm /11		Chinan site
		(B) THE	PLANTS			
С		18	Neptune's Necklace			
			(Hormosira)		0000	
0						~ @ @@-
(1)	7	7	Kelp (Ecklonia)	(see s	pecimen and photo)	•
	4	.0				
>	<u> </u>	19	Ulva (sea lettuce)	9		
	74			(
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				M -	Jes. 87.70-	
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1000				¥ 🏻		<i>ਬ</i> ਮ
	e.			J		
		A	sea urchin	onfits It	's empty "shell"	
	Ro	ock Platforms	www.	beverlyhg-i.schoo	ls.nsw.edu.au ©Scienc	ce Rock Platform 6

(A) The Animals

	specimen number	name	size	picture	
	Specimen news	3			
	1	Blue Periwinkle			
		(Melaraphe)			
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0	2	Knobbly Wink			
		(Noddilittorina)			
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ā		(Tetraclita =4 plates)			
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_		Limpet			
	4	nimpe v			
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			<u>-</u>		
0	5	Galeolaria			
		(Tube worm)	-		
ح	6	Cunjevoi			
		(PYURA; sea squirt)			
C			_		
	8	Morula			
0		(Mulberry shell)			
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	9	Dicathais			
\rightarrow		(Cart Rut shell)			
ا و	10	Black Nerita (Melanerita)			
		(neranerita)			
	11	Top Shells	-		
W		(Austrocochlea)			
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		specimen number	name	size
<u>~</u>		12	Turban Shell	2-5 cm
	\$			
0	stre	3		
Ŭ	centimetres	13	Crab	1-15 cm
U	tus			
0	Ů	4.4	Chiton	2-10 cm
	-1%	14	(note 8 plates)	2-10 Cin
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		15	Sea Anemone	2-8 cm
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_	=	16	Echinoderms	ton
			(starfish, brittle s sea urchin)	tar,
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	<u></u> - • -	17	Worms (Annelids) 1-7	'cm
ح	-	(B) MING DY 43	TMC	
		(B) THE PLAN	VTS	
С		18	Neptune's Necklace	
			(Hormosira)	
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		7	Kelp (Ecklonia)	(see specimen and photo)
	4			
	— m	19	Ulva	
>			(sea lettuce)	·
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40			MAL	
2000				
	÷		Two	fits Its empty "shell"
		A sec	urchin	

Plants / Animals of the Rock Pool

 \preceq WAYE CARRYING OXYGEN AND PLANKTON 0 CURRENT SCOURS POOL— CARRIES DETRITUS TO LODGE AMONGST HOLD FASTS OF ALGAE ULYA HORMOSIRA MELANERITA CELLANA MELERAPHE BEMBICIUM AMPHIPOD WORM ANEMONE STARFISH GALEOLARIA A ROCK CRAB DICATHAIS What food chains could happen here?

Rock Platforms

Types of Feeders

Photosynthetic Algae

Ulva

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Hormosira

