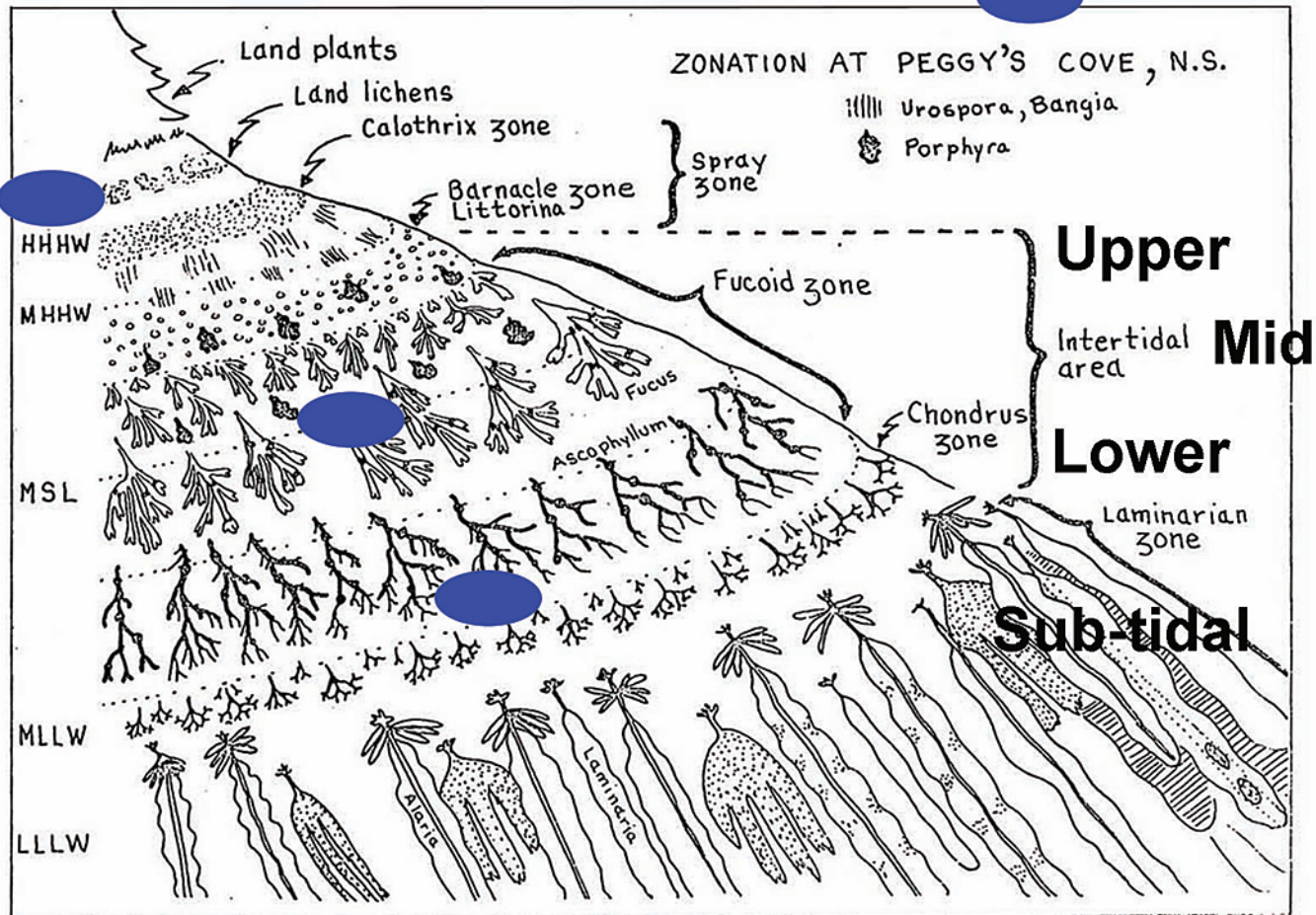


LEVEL	HABITAT & ORGANISMS	OBSERVED check; add number(s); note others not on list.
Above regular splash level	ON ROCK 1. Orange Lichen , <i>Xanthoria parietina</i> – stimulated by bird pooh	
	ON SAND 2. Atriplex spp. - land plant with triangular leaves; salt tolerant	
	3. Wild Radish spp. - with 4-parted flowers; salt tolerant	
Splash zone	ON ROCK 4. Cyanobacteria - black	
	5. Rough Periwinkle , <i>Littorina saxatilis</i> – very small snail that grazes on cyanobacteria; look in crevices for it	
Upper Intertidal	UPPER TIDE POOLS 6. Hollow Green Weed , <i>Enteromorpha intestinalis</i> – a small light green seaweed shaped like a tube.	
	EXPOSED ON ROCK 7. Spiral Wrack , <i>Fucus spiralis</i> - short brown seaweed; blade spirals; no air bladders; ridged, swollen receptacles	
	8. Smooth Periwinkle , <i>Littorina obtusata</i> – small periwinkle with flattened spire; grazer.	
	9. Rock Barnacles (<i>Balanus balanoides</i>) - begin at the top and are found in the top 2/3 of the intertidal zone; filter feeder	
Mid intertidal	10. Bladder Wrack , <i>Fucus vesiculosus</i> - brown seaweed with air bladders and round receptacles	
	11. Knotted Wrack , <i>Ascophyllum nodosum</i> - long strong fronds with egg-shaped air bladders	
	12. Polysiphonia lanosa – fine red seaweed attached to <i>Ascophyllum</i> .	
	13. Common Periwinkle , <i>Littorina littorea</i> – to 3 cm; grazer	
	14. Dog Whelk , <i>Thais lapilis</i> – an elongated opening; carnivores that eat other snails, barnacles and mussels	
Lower Intertidal	15. Blue Mussel , <i>Mytilus edulus</i> - filter feeders; not many at Sandy Cove poss. because of sand scour	
	EXPOSED ON ROCK 16. Encrusting seaweeds – the lower rocks under fleshy seaweeds and in tide pools are covered with red or pink calcareous encrusting seaweeds; mostly reds	
	17. Arctic Wrack , <i>Fucus evanescens</i> – with elongated, flat receptacles	
	18. Irish Moss , <i>Chondrus crispus</i> - small red seaweed	
	LOWER TIDE POOLS 19. Coral Weed , <i>Corralina officinalis</i> – red. calcified seaweed	
	20. Sea Fingers , <i>Codium fragile</i> – green alga	
	21. Kelps (sev spp.) – in drift, or attached in lowest pools	
	22. Limpets (several spp) – in the snail family but not coiled	
	23. Hermit Crab – hermit crabs occupy old shells of periwinkles, dogwhelks; look in tide pools for a snail that seems to be moving too quickly; scavengers	
	24. Green Crab – may be hiding in the crevices in the tide pool	
	25. Rock Crab – crabs with pink shells	
	26. Green Sea Urchin – once common, not now; grazer	
	27. Starfish – <i>Asterias rubens</i> ; carnivore (predator)	
	28. Amphipods – bodies flattened sideways; flea-like movement. Also in other zones; “Sand Fleas” in beach seaweed	

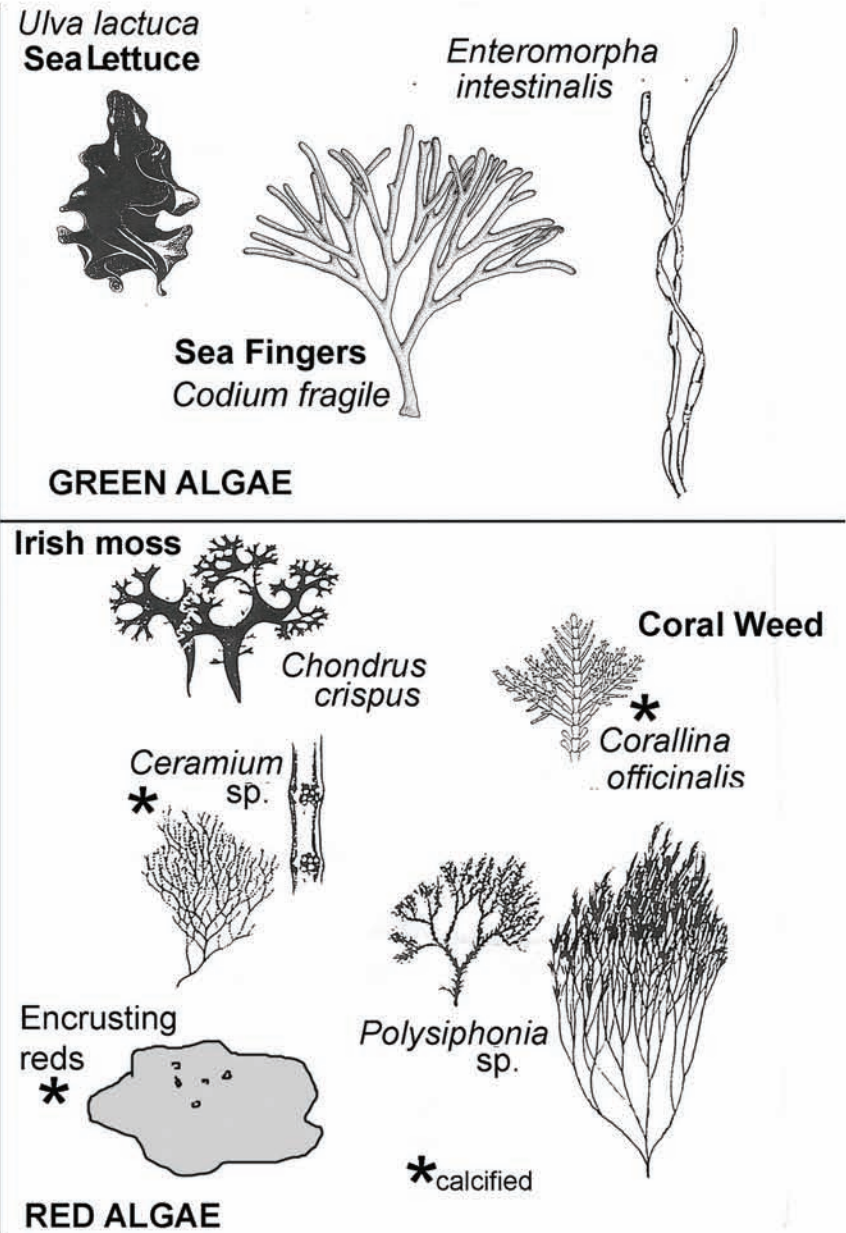
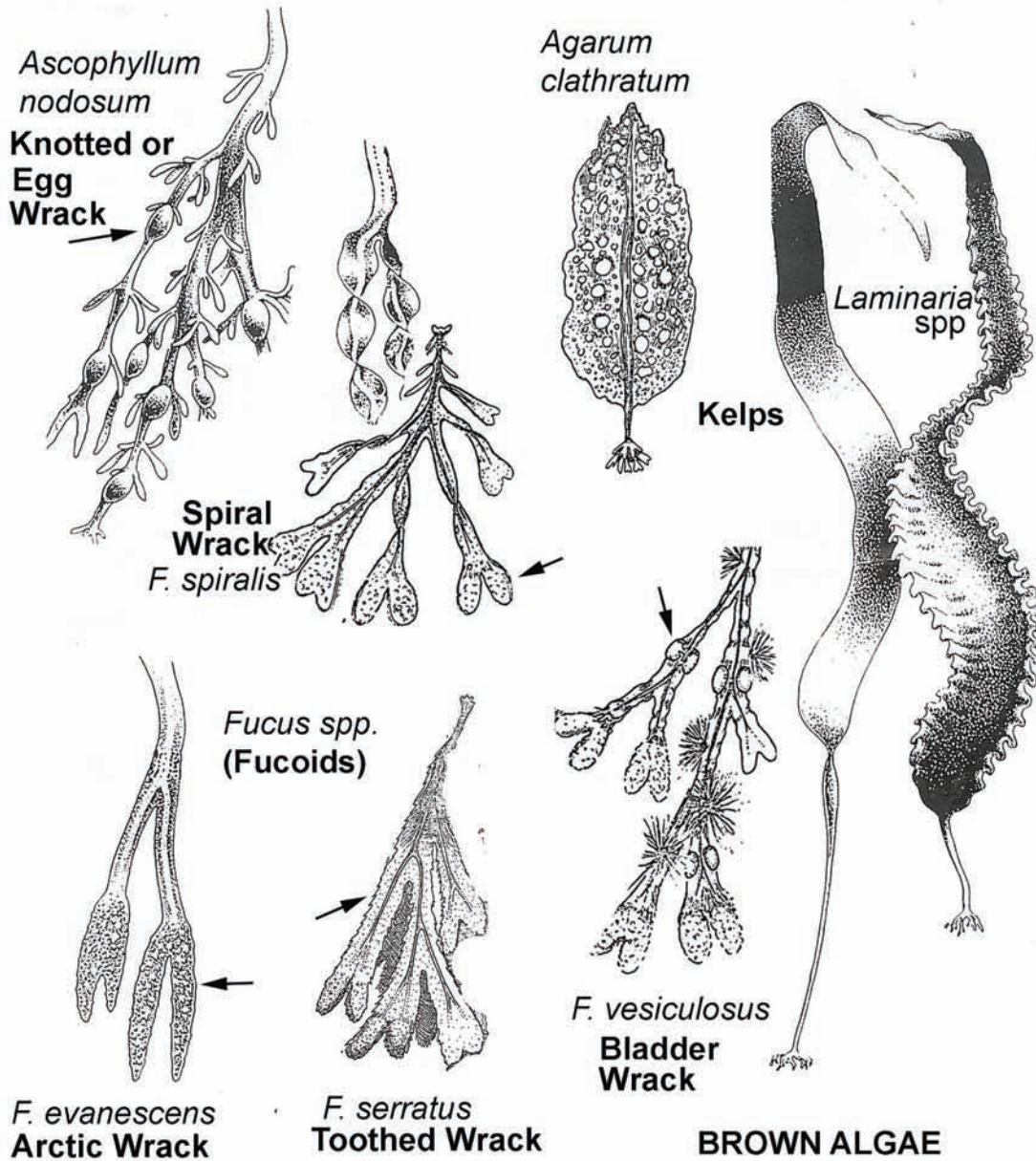
Name/Group _____

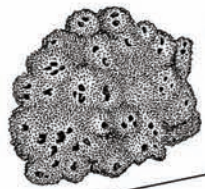


At Peggy's Cove area the following zones are well defined.

1. A lichen zone, consisting of land lichens, with an orange lichen, Xanthoria, being typical. This extends from the highest of higher high waters (HHHW) upwards to the land vegetation.
2. An upper black zone consisting mainly of Calothrix with Urospora, Bangia, and Porphyra occurring during winter and spring. This occurs in the spray zone, between the mean of higher waters (MHHW) up to the highest of higher high waters.
3. A barnacle zone. This occurs at about the mean of the higher high tides (MHHW).
4. A fucoid zone extending from about mean sea level (MSL) down to mean of the lower low waters (MLLW). The fucoids consist of Fucus spiralis at the top, Fucus vesiculosus in the middle and Ascophyllum nodosum at the lower edge.
5. A laminarian zone extending from the mean of lower low waters (MLLW) down to about minus 40 feet.
6. A Chondrus zone jammed in between the fucoid and laminarian zones.

Source: Louie A. Hanic. 1974. A Guide to the common seaweeds of Prince Edward island. PEI Marine Science Club/Action Press, P.E.I





SPONGES



Limpet



Periwinkles

Rough



Smooth



Common



COELENTERATES

Anemone



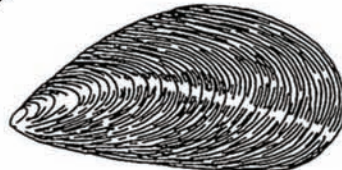
ANNELIDS



Spirorbis

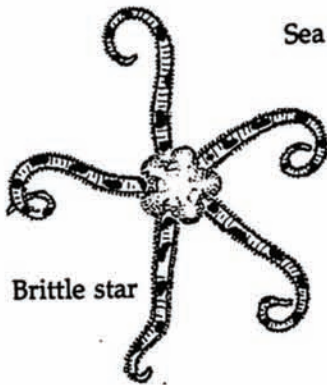
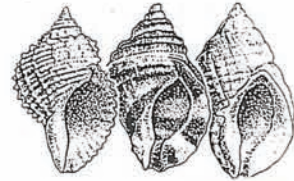


MOLLUSCS



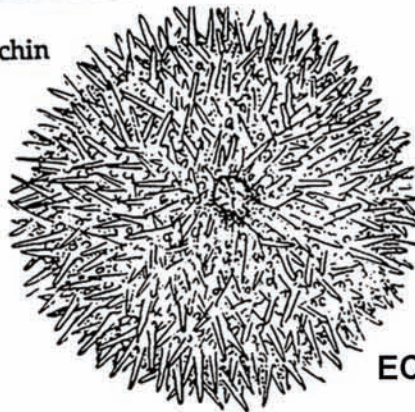
Mussel

Dog Whelk

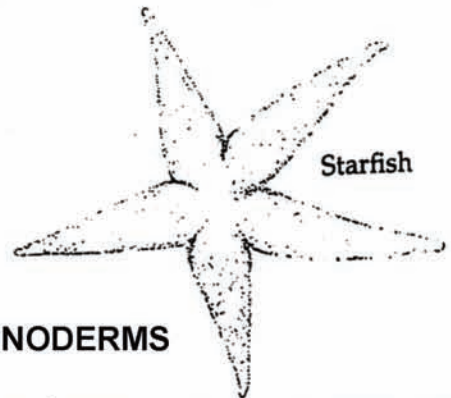


Brittle star

Sea urchin



ECHINODERMS



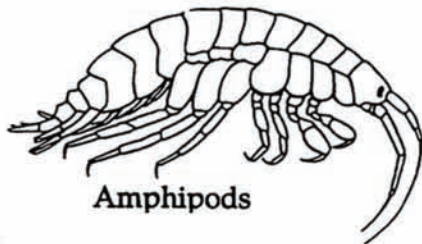
Starfish

**ARTHROPODS
- CRUSTACEANS**

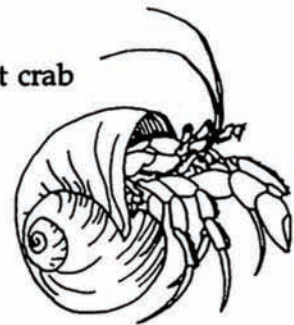
Barnacle



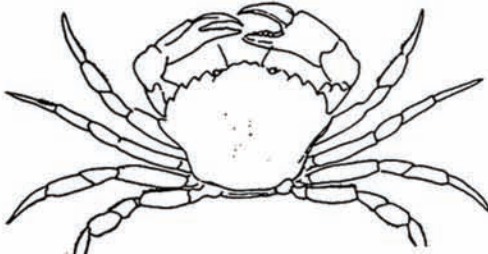
Amphipods



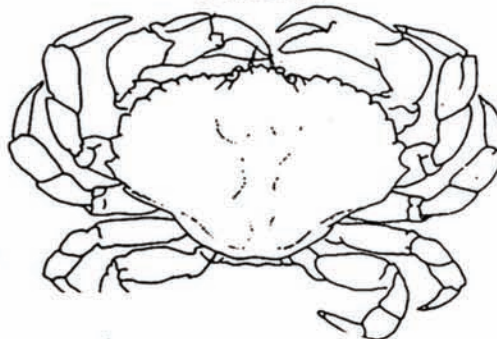
Hermit crab



Green crab



Rock crab



Isopod

