

Group Member  
Names \_\_\_\_\_

## Criteria for Profile

**Upper Intertidal Zone:** Covered by water only when the tide is high or nearly high. Plants and animals are rarely covered by salt water or covered for only for a short time. This provides a predator-free zone for barnacles and periwinkles. Above this zone is the splash zone where organisms are effected by the splash from the waves.

**List 4 sea animals or plants, label them and make sure they are neatly done. Make it a realistic representation.**

Characteristic species:

Splash Zone:           Black Seaside Lichen (forms almost continuous band)  
                                  Orange Lichen

Upper Intertidal:       Periwinkles  
                                  Acorn Barnacles

**Middle Intertidal Zone:** Exposed about 2.5 hours after high tide. Bands of mussel and rockweed define the boundaries of this zone. Plants and animals are adapted to periods of both submergence and periods of exposure to drying.

**List 4 sea animals or plants, label them and make sure they are neatly done.**

Characteristic species:

Rockweed-distinct band       Pacific Blue Mussle-distinct band  
Periwinkles                       Barnacles-Acorn Barnacle and North Rock Barnacle  
Six-rayed Star                   Limpets-Mask Limpet, Shield Limpet, and Plate Limpet

**Lower Intertidal Zone:** Area below lower edge of mussel or rockweed beds to extreme low tide exposed approximately 0-1.5 hours after low tide. This area is often covered in lush growths of algae, especially red and brown, and has the great diversity of invertebrates. Plants and animals can tolerate daily of exposure.

**Include 7 sea animals or plants, label them and make sure your poster is neatly done.**

Characteristic species:

|                       |                   |
|-----------------------|-------------------|
| Red Algae             | Kelps/Brown Algae |
| Crumb-of-Bread Sponge | Thatched Barnacle |
| Christmas Anemone     | True Star         |
| Black Katy Chiton     | Leather Star      |
| Lined Chiton          | Green Sea Urchin  |

**Extreme Lower Intertidal Zone:** The Upper edge of the Sub tidal Zone is exposed only briefly at the very extreme, minus tides. Plants and animals are primarily sub tidal, but can tolerate short periods of exposure occasionally. Animals from upper tide zones may retreat to this area to avoid exposure as the tide goes out.

**Have 5 sea animals or plants on your poster, label them and make sure it is neatly done.**

Characteristic Species:

|                             |                  |
|-----------------------------|------------------|
| Coralline Algae             | Dunce Cap Limpet |
| Nudibranchs-various species | Gumboot Chiton   |
| Sea Cucumbers               | Tunicates        |
| Sunflower Star              |                  |

Additional Comments:

Group Member Names \_\_\_\_\_

## Tidal Pool Profile

**Upper Intertidal Zone:** 4 sea animals or plants, labeled and neatly done, high quality.  
1 2 3 4 5

**Middle Intertidal Zone:** 4 sea animals or plants, labeled and neatly done, high quality.  
1 2 3 4 5

**Lower Intertidal Zone:** 7 sea animals or plants, labeled and neatly done, high quality.  
1 2 3 4 5

**Extreme Lower Intertidal Zone:** 5 sea animals or plants, labeled and neatly done, high quality.

1 2 3 4 5

**Expert information:** 2 facts from animal researched posted on board, high quality.

Additional Comments:

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Additional Comments: