### Giant Green Anemones
*Anthopleura xanthogrammica*
- Why are Giant Green Anemones green?
- Describe what happens when you touch the outside of the Anemone? The inside flower-like tentacles?
- Why do Anemones cover themselves with rock and shell pieces?
- Why don’t you want to touch its center (like a belly button)?
- What do anemones eat for dinner?

### Ochre Star
*Pisaster ochraceus*
- Why are Ochre Stars different colors? How many different colored Sea Stars can you find?
- Touch a sea star. What does it feel like?
- Where is the mouth of an Ochre Star? How do they eat?
- Why are sea stars considered the kings and queens of tide pools?
- Where are Ochre Stars’ eyes located? Why?

### Purple Sea Urchin
*Strongylocentrotus purpuratus*
- Why are Purple Sea Urchins spiny?
- Gently touch and hold your finger on the Sea Urchin spines for 10 seconds or more. Describe what happens.
- Why are Purple Sea Urchins covered with shells and driftwood?
- What happens if you try to gently remove a stick or shell?
- Where is the mouth of a sea urchin? How do they eat?
- What other species are they related to? (Hint: they have arms)

### Thatched Barnacle
*Semibalanus cariosus*
- What do barnacles eat?
- How do barnacles stay attached to the rocks?
- Can barnacles move from one place to another? How?
- Where are barnacles found? Are they on rocks? With other plants, or animals?
- Can you find three different types of barnacles? How are they different?

### Pacific Blue Mussel
*Mytilus californianus*
- Why do Mussels live in large groups (beds)?
- Can you find where Mussels attach to the rocks?
- Carefully get close to a mussel and try to find the threads that they hold on with? Are other critters or plants living nearby?
- How do Mussels eat?
- Who likes to eat mussels?
<table>
<thead>
<tr>
<th><strong>TIDE POOL INQUIRY QUESTIONS</strong></th>
</tr>
</thead>
</table>
| **Hermit Crab**  
*Pagurus spp.*  
- Can you find a Hermit Crab moving in the water? What is it doing? (Hint: you need to sit still and watch carefully.)  
- Do Hermit Crabs grow their own shells? If not, where do they get their shells?  
- How long can a Hermit Crab live without a shell?  
- What do Hermit Crabs eat?  
- Why doesn’t the Giant Green Anemone eat the Hermit Crab? |
| **Gumboot Chiton**  
*Cryptochiton stelleri*  
- Touch the Gumboot Chiton. What does it feel like?  
- What is it related to?  
- Can you see it move?  
- Why does it look like a rock?  
- Would you like to be a chiton? Why or why not? |
| **Turban Snail**  
*Chlorostoma funebralis*  
- Can you find a Turban Snail that is moving?  
- Why are they called Turban Snails?  
- What do you think Turban Snails eat?  
- How do Turban Snails move?  
- What do they have to help protect themselves?  
- Are Turban Snails related to land snails? How are they the same or different? |
| **Tide Pool Sculpin**  
*Oligocottus maculosus*  
- Can you find a Sculpin “resting” or laying on the bottom of the tide pool? What is it doing? What happens if you touch it?  
- Is the Tide Pool Sculpin an invertebrate or vertebrate?  
- How large will the Sculpin get? How does it protect itself?  
- Do Sculpins ever leave the tide pool? Can it live out of water?  
- What do Sculpins eat? |
| **Gooseneck Barnacle**  
*Pollicipes polymerus*  
- Touch and gently try to move a one barnacle. Does it move?  
- Why are they called gooseneck barnacles?  
- What does a Gooseneck Barnacle eat?  
- Where do you find a Gooseneck Barnacle?  
- What question would you like to ask a Gooseneck Barnacle? |