

Name_____

Birch Aquarium Field Trip Guide – Crafton Hills College

For each aquarium tank, name the location it represents, describe characteristics of the region (water temperature, depth, etc.), and list at least three critters found in the region, as well as answer any questions listed below.

1) Front Tank – What is swimming in the circular aquarium near the entrance?

Introductory Plaque

- i) What is the single most important influence on the distribution, diversity, and abundance of marine organisms?
- ii) What are some other important factors?
- iii) What are some long-term effects?
- iv) What's so important about upwelling?
- v) Name an example food cycle:

North-West Coast

- Characteristics:

- Tank 2: _____
 - Critters:

- Tank 3: _____
 - Critters: _____

 - What is the importance of flounders? _____
- Tank 4: _____
 - Critters: _____

 - What is the importance of albacore? _____
- Tank 5: _____
 - Draw the octopus you see in this tank:
- Tank 6: _____
 - Critters: _____

- Tank 7: _____
 - Critters: _____

Southern California Coast

- Characteristics:

- How is the Southern California coast different from the NW coast? Why?

- Tank 8:

- Critters:

- Name some interesting facts about jellies:

- What about lagoon jellies?

- Tank 12:

- Critters:

- Tank 13:

- Critters:

- Tank 14:

- Critters:

SCC Continued

- Tank 15: _____

- Critters:

- What fish here is the state marine fish and name its color phases:

- Tank 16: _____

- Critters:

- Tank 17: _____

- Critters:

- Tank 18: _____

- Critters:

- Tank 19: _____

- Critters:

Mexico Coast

- Characteristics:

- Tank 20: _____
 - Critters:

 - How big do yellowtail get?

 - What's their significance?

- Tank 21: _____
 - Critters:

- Tank 22: _____
 - Critters:

Tropical Seas

- Characteristics: _____
- How do corals form?

 - Name 3 types of reefs:

- Tank 23: _____
 - Critters:

Tropical Seas-continued

- Tank 24: _____
 - Critters:

- Tank 25: _____
 - Critters:

- Tank 26: _____
 - Critters:

- Tank 27: _____
 - Critters:

- Tank 28: _____
 - Critters:

 - Why are mangroves important?

- Tank 29: _____
 - Critters:

 - Why is symbiosis important for anemones?

- Tank 30: _____
 - Critters:

- Tank 31: _____
 - Critters:

- Tank 32: _____
 - Critters:

Explorers Gallery

- “Feeling the heat”
 - How do we know CO₂ levels back in time?

 - What happened to CO₂ after the industrial revolution?

 - What is the keeling curve?

 - Name some greenhouse gases:

 - What is CO₂ concentration today?

 - Describe differences between healthy and bleached coral reefs:

