

Ecosystem Comparison Table, Oregon Marine Reserves

Name: _____ P: _____ Date: _____

Objective: Students will be able to observe patterns across different marine ecosystems.

Instructions:

1. Open the Oregon Marine Reserve Brochure
2. Read the information about each reserve
3. Complete the chart below based on the reading
4. Answer the questions on the back of this page

| Variables | Cape Falcon | Cascade Head | Otter Rock | Cape Perpetua | Redfish Rocks |
|--|-------------|--------------|------------|---------------|---------------|
| Location | | | | | |
| Size (square miles) | | | | | |
| Physical Characteristics of Habitat (islands, sandy beach, rocky beach, etc.) | | | | | |
| Bird Species | | | | | |
| Fish Species | | | | | |
| Plant Species | | | | | |
| Other Species | | | | | |

Questions:

A. CER

Read the three claims below, and decide which one is better fit, according to your chart. Circle it. Then, pull evidence from your chart to support your claim and develop reasoning to further support your claim.

| Claim #1 | Claim #2 | Claim #3 |
|--|--|---|
| The same species exist in every ecosystem. | Each ecosystem supports different species. | Each ecosystem is unique based on its physical features and biodiversity. |

| Evidence | Reasoning |
|----------|-----------|
| | |
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| | |

B. Organisms and Resources

For each organism below, use the Internet to research **the types of resources** that each organism **absolutely needs** to survive (there may be more than one resource for some organisms). Types of resources may include **habitat, food type, climate, etc...** cite the website(s) you used.

| | Red Sea Urchin | Cabazon | Black Rockfish (or other rockfish) | Dungeness Crab | Marbled Murrelet | Southern Resident Killer Whale |
|---|----------------|---------|------------------------------------|----------------|------------------|--------------------------------|
| Resources necessary for the organism' s | | | | | | |
| Sources: | | | | | | |