

8.2 Interaction and Change: Systems interact with other systems.
8.2E.3 Explain the causes of patterns of atmospheric and oceanic movement and the effects on weather and climate. 8.2E.4 Analyze evidence for geologic, climatic, environmental, and life form changes over time.

V 4.0 2012

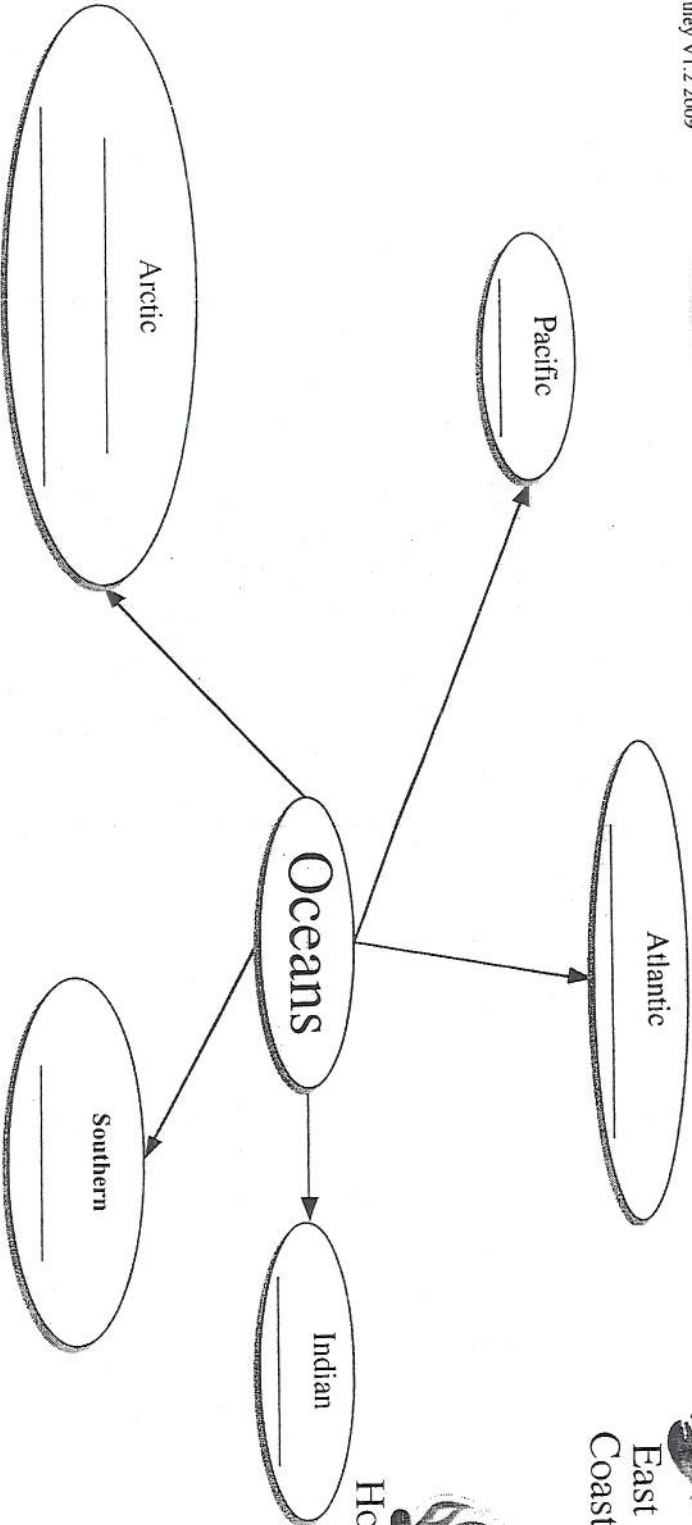


Oceanography Packet
Name _____



Oceans
Directions: Fill in the boxes using the words on
right.

mmpcauley V1.2 2009



East Coast



New



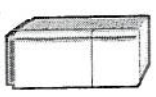
Hottest!



Biggest



Smallest



Coldest

CCG- Understand science as a human endeavor, the nature of scientific knowledge & history of science as it relates to and clarifies scientific inquiries. M McCauley 2002

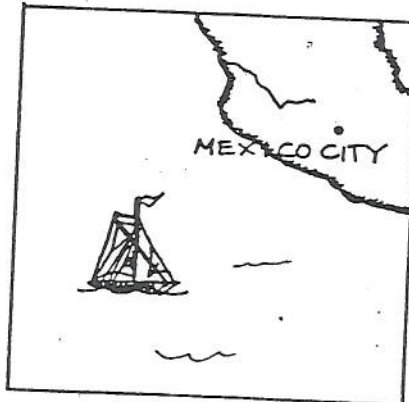
Name _____ Period _____ Due _____

Which Ocean?

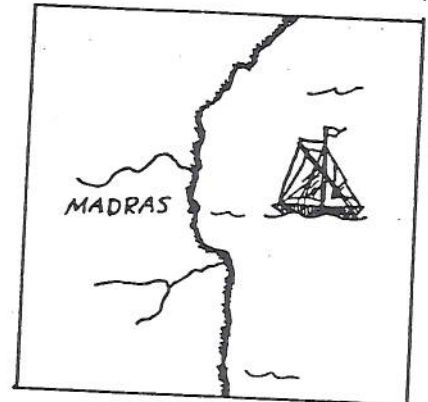
Can you tell by seeing a small portion of the map of the world in which ocean the ship is sailing? Try your skill on the following maps. Use a globe or world map to check your answers.



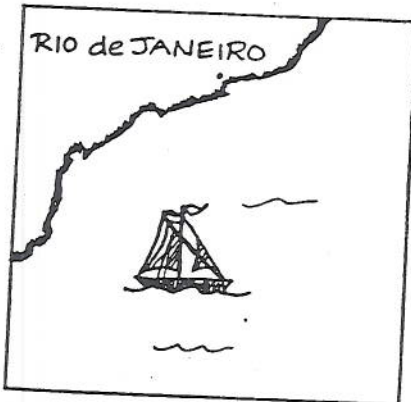
a. _____



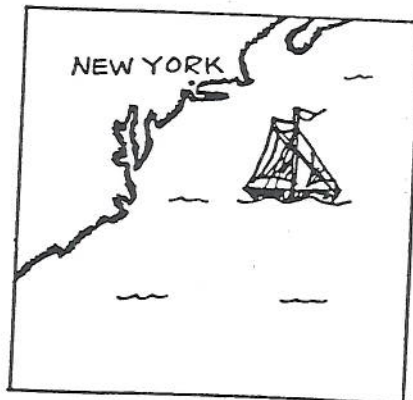
b. _____



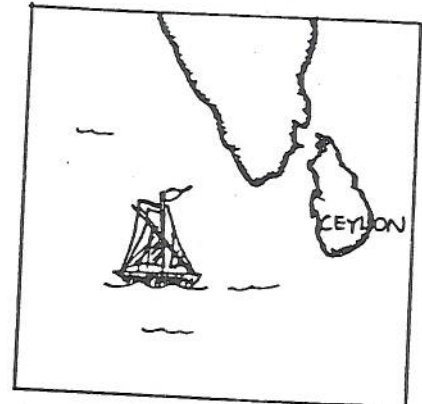
c. _____



d. _____



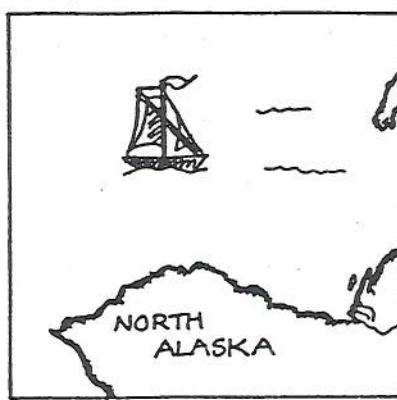
e. _____



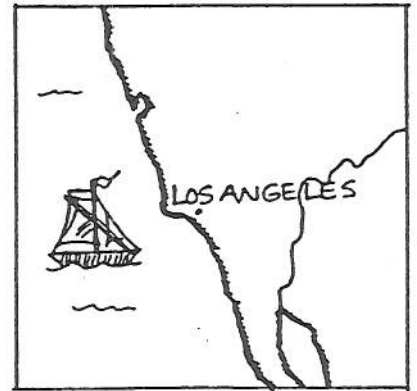
f. _____



g



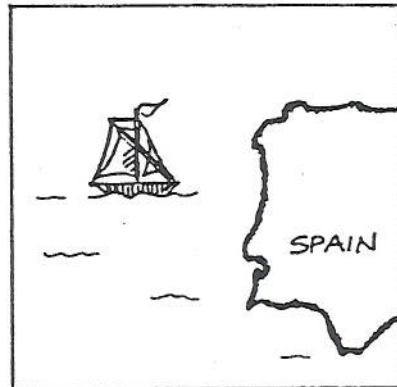
h



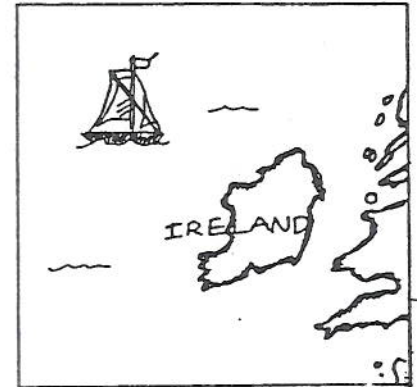
i



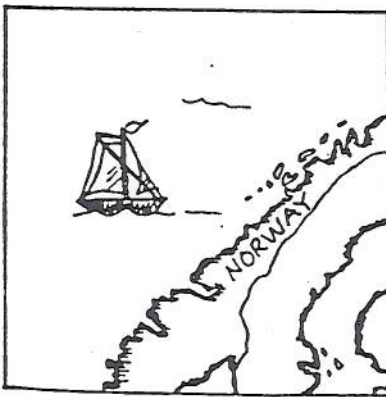
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k



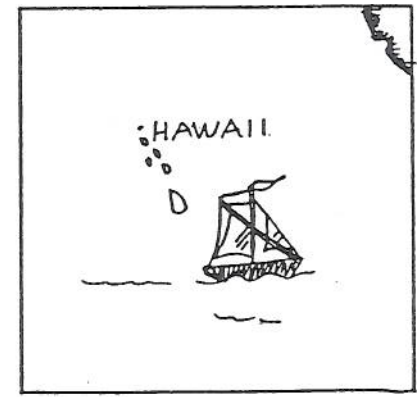
l



m



n



o

BM-Identify a systems inputs & outputs. Explain the effects of changing the systems components. BM-Compare the shape of coastlines of continents and other evidence to infer the movement of crustal plates. BM- Identify how proximity to ocean affects climate. BM-Know that gravity is the force that keeps the planets in orbit and explains such phenomena as tides. MMcCauley©2003

Oregon Ocean- Being Close to the Ocean Affects us...

Use the "Oregon Ocean Book" to answer the following questions:

1. What ocean is off the Oregon Coast? _____
2. The rich valleys, mild climate, forests are all generated by the? (Page 3)
3. What reflects Oregon's concern to protect ocean resources? (Page 3)
4. Marine ecosystems are basically (**simple/ Complex**) ? (Page 7)
5. What is the **Neritic Zone**? (Page 7)
6. Describe the pelagic environment. (Page 7)
7. Draw the pelagic food web. (Page 8)
8. What is at the bottom of the food web? (Page 8)
9. The spectacular Oregon coastline of today is the result of _____ (Page 13)
and _____.
10. How long is the Oregon Coast? (Page 13) _____
11. What is the name _____ of the theory that says that the continents move over time?
(Page 13)