**Oceanography Study Guide**

1. **L**abel the five oceans.

>>>Which ocean is the largest (and deepest)?

>>>Which ocean is the smallest (and shallowest)?

1. Identify the features of the ocean floor.



A: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

B: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

E: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

F: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

G: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 >>>Where does CONVERGENCE happen (creates subduction) on the diagram?

 >>>Where does DIVERGENCE happen (creates sea-floor spreading) on the diagram?

1. As you go deeper into the ocean

(**choices**: increase, decreases, stays the same):

 >>temperature \_\_\_\_\_\_\_\_\_\_

 >>water pressure \_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_\_\_\_is a measure of how salty the water is (average is 3.5% in the oceans). What is the name of the main salt in the oceans? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. List 3 natural resources we use from the oceans. Which are renewable? Which are nonrenewable?
3. What causes ocean surface currents? What are the 2 types?

 What causes ocean deep/density currents?



1. Label the Gulf Stream Current and the California Current on the map, then write which one is a warm current and which is a cold current.

>>How do surface current affect climate?



1. What causes waves?

Label the parts of the wave:

(crest, trough, wavelength, wave height)

9. What causes tides?

How many high tides do we have each day? \_\_\_\_\_

How many low tides do we have each day? \_\_\_\_\_

Make a double bubble map of *spring* and *neap* tides below