Oceanography 2001

Homework Assignment for Exam 1

Turn in on the day of Exam 1 Name:

1. Label A-E on this figure:



1. Write whether the following are associated with a **subduction zone** or **spreading center**:
* island arc \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* mid-ocean ridge \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* developing seafloor magnetic stripes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* seafloor spreading \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* trench \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. What are the 4 principle oceans of the Earth?
2. Label the layers of the Earth:

 

1. Describe convergent, divergent and transform boundaries.
2. How old is the Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is radiometric dating?
4. What are the steps of the scientific method?
5. What are autotrophic organisms? Heterotrophic organisms?
6. What is some of the evidence for seafloor spreading?
7. What is some of the evidence for continental drift?