EAS 170  
Geology and Oceanography  
Objective Sheet: Ocean Floors and Sediments

Vocabulary:

- continental shelf  
- continental slope  
- continental rise  
- self break  
- echo sounder  
- submarine canyons  
- turbidity currents  
- abyssal plains  
- seamounts  
- trenches  
- guyots  
- atoll  
- coral reef  
- min-ocean ridge

Objectives:

1. Describe the major subdivisions of oceanography.

2. Contrast the middle latitude land and water distribution of the Northern and Southern Hemispheres.

3. Compare and contrast the Pacific, Atlantic, and Indian oceans in terms of size, depth, and latitudinal distribution.

4. Discuss the economic significance of the continental shelves.

5. Differentiate between the three basic types of sea-floor sediment.

6. Explain the usefulness of sea-floor sediment in the study of paleoclimatology.

7. Identify the sea-floor features included as part of the continental margins and those as part of the ocean basin floor.

8. Given a profile of the sea-floor, be able to identify the various geologic features.