

435 GEO - Unit (1) Review Questions

- How old is earth?
- What is earth's radius? How far is it?
- Explain and draw earth's internal structure?
- What is the difference between continental crust and oceanic crust?
- Explain plate tectonics theory?
- Define oceanography? What does it study?
- List divisions of oceanography?
- What are the roles of oceans?
- List properties of ocean water?
- Explain how to study oceans?
- List instruments used to investigate oceans?
- Write down the four principle oceans, plus one and the seven seas?
- What is the difference between sea and ocean?

435 GEO - Unit (2) Review Questions

- Define ocean floor?
- Explain and draw Wilson Cycle?
- What is bathymetry?
- Write down divisions of ocean floor?
- Define continental margins and its classifications?
- What is the difference between: continental shelf, continental slope, continental rise, ocean basin, and oceanic trench?
- How deep is the deepest trench? Where is it located?
- Explain and draw mid-oceanic ridge?
- What is turbidity currents? Why is it important?
- What is hydrothermal vent? Where is it located?

435 GEO - Unit (3) Review Questions

- Define sediments and its importance?
- Explain the difference between lithification and crystallization?
- Explain the difference between weathering and erosion?
- List types of ocean sediments (origin, composition, and classification)?
- What is Wentworth Scale?
- List the most important resources which come from ocean sediments?

435 GEO - Unit (4) Review Questions

- Explain the geospheres?
- Why do we have seasons on earth?
- What is the difference between Arctic and Antarctic Circle?
- Explain the relationship between atmosphere and oceans?
- Explain the distribution on sun's light in earth?
- What is water cycle?
- What is the difference between cyclone and anticyclone?
- What is the general global wind systems on earth?
- What is the difference between weather and climate?
- What is greenhouse effect?

435 GEO - Unit (5) Review Questions

- What are ocean currents? What do they transfer?
- List types of ocean currents? Which factors control them?
- What is Buoyancy driven circulation?
- How can we measure surface and deep currents?
- Is there any effect of ocean currents on climate? How?
- Define and draw: upwelling, downwelling, diverging surface water, converging surface water and coastal upwelling and downwelling?
- What is El Nino?

435 GEO - Unit (6) Review Questions

- Define wave?
- Explain how do ocean waves form?
- What cause ocean waves to form?
- What are types of ocean waves?
- List wave characteristics?
- Explain how do ocean waves change near shore?
- List the effects of ocean waves on shore?
- What is Beaufort Wind Scale?
- Explain how do tsunamis occur?
- How can we get energy from oceans?