

Study Guide for Exam I: Oceanography

Chapter 1 Knowing the Ocean World

- 1) Scientific Method
- 2) Ancient History
- 3) Library of Alexandria
- 4) Age of Discovery
- 5) Modern Oceanography

Chapter 2 Origins

- 1) Condensation Theory and the Lives of Stars
- 2) Origin of Life
- 3) Other Planets and Outer Space Stuff

Chapter 3 Earth Structure and Plate Tectonics

- 1) Parts of the Interior of the Earth
- 2) Wegener and the Theory of Continental Drift
- 3) Hess and the Theory of Sea Floor Spreading
- 4) Types of Plate Boundaries
 - a) Divergent
 - b) Convergent
 - c) Transform

Chapter 4 Continental Margins and Ocean Basins

- 1) Continental Margins
 - a) Active Margins
 - b) Passive Margins
- 2) Deep Ocean Basins
 - a) Mid-Ocean Ridges
 - b) Abyss
 - c) Hydrothermal Vents
 - d) Seamounts and Guyots
- 3) Submarine Canyons

Chapter 5 Sediments

- 1) Classification of Sediments by Source
- 2) The Sediments of Deep-Ocean Basins
- 3) Distribution of Marine Sediments

I will ask you seven or eight essay questions from this list of topics. You will be only required to answer five of those questions. There will also be a bonus question. The essay section of the test is worth 50 points. The multiple choice part of the exam is also worth 50 points.