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# Unit STUDY GUIDE -- "Earth's Layers & Plate Tectonics"

## Section 1: Earth's Layers

Directions: Label the diagram with the terms provided.

Asthenosphere Crust	Inner Core Lithosphere	Lower Mantle	Outer Core Upper Mantle
	_1	Asthenosphen	2
15 25 M	ada layer		2 Upper Montle
7 3//	1		3 Lithosphere
The last	) ) '	1	Crust
4110	11 1	))	
·///	$\times \times \lambda$		
	$\nearrow\!\!\!/\!\!\!\!/$		wer Mantle
	\	7 Inner Core	

Directions: Answer the following questions in the spaces provided.

- 8. What part of the Earth varies in thickness? Crust
- g. What is the part of the Earth that the lithospsheric plates float on? Asthenosphere
- 20. What is the part of the Earth that includes the crust and the upper mantle and is split into plates? lithosphere
- 11. Write the layers of the earth in order based on the following characteristics:
  - a. surface to center- crust, mantle, outer core, inner core
  - b. coolest to hottest- crust, mantle, outer core, inner core
  - c. thinnest to thickest- crust, inner core, outer core, mantle
  - d. least dense to most dense- crust, mantle, outer core, inner core
- 12. For each layer, write the state of matter (solid, liquid, or solid and liquid).
  - a. crust- solid

c. outer core- liquid

b. mantle-liquid & solid

- d. inner core-solid
- 13. List to two types of crust. Oceanic and continental

# **Global Tectonics Study Guide**

Peter L. Kresan, Reed Mencke

#### **Global Tectonics Study Guide:**

Understanding Earth Student Study Guide Peter L. Kresan, Reed Mencke, 2006-05-03 The guide helps students prepare for lectures and exams with a heavy emphasis on utilizing the book s Web resources Invitation to Oceanography Paul R. Pinet, 2003 Invitation to Oceanography Third Edition provides students with a fundamental overview of the four major branches of ocean science geology chemistry physics and biology The approach used is a broad one relying on basic concepts to explain the ocean's many mysteries Anybody whether sailor surfer beachcomber or student can learn about the processes and creatures of the oceans by reading this visually exciting book Foundations of Earth Science Study Guide Edward J. Tarbuck, 2001-02-15 Includes Learning Objectives Chapter Review Chapter Outline Vocabulary Review Key Terms Comprehensive Review and Practice Tests **India Country Study Guide Volume 1 Strategic Information and Developments** IBP USA,2012-03-03 India Country Study Guide Strategic Information and Developments Volume 1 Strategic Information and Developments **Essential Invitation to Oceanography** Paul R. Pinet, 2014 **Study Guide to** Accompany Contemporary Physical Geology, Harold L. Levin John A. Ciciarelli, 1981 **Peterson's Annual Guides to** Invitation to Oceanography, Graduate Study ,1982-12 **Environmental Science** Michael L. McKinney, Robert M. Schoch, Logan Yonavjak, 2012 Updated with the latest data from the field Environmental Science Systems and Solutions Fifth Edition explains the concepts and teaches the skills needed to understand multi faceted and often very complex environmental issues The authors present the arguments rebuttals evidence and counterevidence from many sides of the debate The Fifth Edition includes new Science in Action boxes which feature cutting edge case studies and essays contributed by subject matter experts that highlight recent and ongoing research within environmental science With an Earth as a system approach the text continues to emphasize Earth's intricate web of interactions among the biosphere atmosphere hydrosphere and lithosphere and how we are central components in these four spheres This flexible unbiased approach highlights 1 how matter cycles over time through Earth's systems 2 the importance of the input throughput output processes that describe the global environment 3 how human activities and consumption modify Earth's systems 4 and the scientific economic and policy solutions to environmental problems Revised and updated to reflect current trends and statistics within Environmental Science New content on renewable energy solar panels and compact fluorescent light bulbs The latest information on Hydropower and the advantages and disadvantages of hydroelectric energy The companion website includes robust learning tools that enable students to make full use of today's learning technology Students will find practice quizzes virtual flashcards answers to in text questions and links to additional coverage regarding material discussed in the text Instructor Resources include an instructor's manual Test Bank PowerPoint Lecture Outline Slides and a PowerPoint OCR A Level Geography Student Guide 3: Geographical Debates: Climate; Disease; Oceans; Food; Hazards Image Bank Peter Stiff, David Barker, Helen Harris, 2017-10-09 Exam Board OCR Level AS A level Subject Geography First Teaching

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