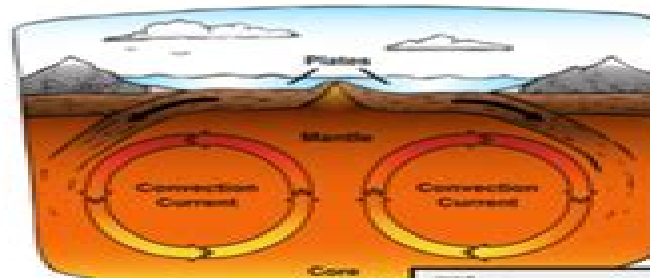


HOW DO PLATE TECTONICS MOVE?

Scientists are still exploring how and what exactly makes tectonic plates move. There is different evidence that these are moving (i.e. GPS measurements). Here are some of them:

CONVECTION THEORY

The convection of the mantle materials involves the rise of magma or molten rocks in the mantle and sinks to the core as it cools down.



This process was believed to be the cause movement of plates, which resulted in volcanic eruptions and earthquakes.

The temperature of the core is about **6,000 degrees Celsius**

RIDGE PUSH AND SLAB PULL

Plates move away from each other when the lithosphere slides down away from the ridge. This is **ridge push**.

As plates move apart, it cools down to form a new plate material, and the lithosphere cools down and becomes denser.

The dense plate sinks back to the mantle due to gravity. This process is called **slab pull**.



Molten rock or magma rises in the mantle under the ocean ridges, which causes the plates to move apart.

Answers Of Plate Tectonics

EduGorilla Prep Experts

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Answers Of Plate Tectonics:

Plate Tectonics--Rock Your World Hands-On Activity Sarah D. Giese, 2014-01-01 Make geography fun and interactive to motivate your students Encourage teamwork creativity reflection and decision making Take an active approach to teaching while inspiring your students to make their own explorations of geography Plate Tectonics Xavier Le Pichon, Jean Francheteau, Jean Bonnin, 2013-10-22 Developments in Geotectonics 6 Plate Tectonics focuses on the exposition of the plate tectonics hypothesis as well as plate boundaries stratification and kinematics The book first offers information on the rheological stratification of the mantle and kinematics of relative movements Topics include lithosphere asthenosphere kinematics of finite motions measurements of instantaneous movements and worldwide kinematic pattern The text then ponders on movements relative to a frame external to the plates and processes at accreting plate boundaries Discussions focus on reference frames paleomagnetic synthesis creation of oceanic crust and continental rifts The publication elaborates on processes at consuming plate boundaries including sinking plate model structure of trenches and associated island arcs and cordilleras and consumption of continent bearing lithosphere The text is a valuable source of data for readers interested in plate tectonics *Science Games and Puzzles, Grades 5 - 8* Schyrlet Cameron, Carolyn Craig, 2012-01-03 This book promotes science vocabulary building increases student readability levels and facilitates concept development through fun and challenging puzzles games and activities **A Teacher's Guide to Questions/answers and Lab Exercises Prepared to Accompany the Film "Inside Hawaiian Volcanoes"** Wendell A. Duffield, Richard S. Fiske, 1989 CUET-PG Geography Practice Question Bank Book 3000+ Question Answer As Per Updated Syllabus DIWAKAR EDUCATION HUB, 2024-01-24 CUET PG Geography Question Bank 3000 Chapter wise question With Explanations As per Updated Syllabus cover all 14 Chapters Highlights of CUET PG Geography Question Bank 3000 Questions Answer MCQ 215 MCQ of Each Chapter Unit wise As Per the Updated Syllabus Include Most Expected MCQ as per Paper Pattern Exam Pattern All Questions Design by Expert Faculties JRF Holder **PGT Geography Question Bank Chapterwise - for PGT Teachers** Mocktime Publication, PGT Geography Question Bank Chapterwise for PGT Teachers CliffsTestPrep FCAT Grade 10 Reading and Math Enrique Ortiz, EdD, Thomas R. Davenport, 2007-05-21 Your guide to a higher score on the Florida Comprehensive Assessment Test Why CliffsTestPrep Guides Go with the name you know and trust Get the information you need fast Written by test prep specialists About the contents This book is two study guides in one With a detailed description of the exam plus 5 practice reading tests and 5 practice math tests it s the practical way to prepare for the Florida Comprehensive Assessment Test which you must pass as a requirement for graduation The Reading Test Overview with the types of questions and how to answer them Test taking strategies 5 practice reading tests with answers and explanations The Math Test Overview with the types of questions and how to answer them Test taking strategies 5 practice math tests with answers and explanations Test Prep Essentials from the Experts at CliffsNotes More than Notes CliffsAP CliffsComplete CliffsQuickReview CliffsTestPrep

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effective e learning and advice on supporting learners with English as a second language It continues as a comprehensive guide for all aspects of science teaching with a focus on understanding pupils alternative frameworks of belief the importance of developing or challenging them and the need to enable pupils to take ownership of scientific ideas This new edition supports all aspects of teaching science in a stimulating environment enabling pupils to understand their place in the world and look after it Key features include Illustrative and engaging lesson plans for use in the classroom Help for pupils to construct new scientific meanings M level support materials Advice on teaching difficult ideas in biology chemistry physics and earth sciences Education for sustainable development and understanding climate change Managing the science classroom and health and safety in the laboratory Support for talk for learning and advice on numeracy in science New chapters on e learning and supporting learners with English as a second language Presenting an environmentally sustainable global approach to science teaching this book emphasises the need to build on or challenge children s existing ideas so they better understand the world in which they live Essential reading for all students and practising science teachers this invaluable book will support those undertaking secondary science PGCE school based routes into teaching and those studying at Masters level *Qualitative Inquiry in Geoscience Education Research* Anthony D. Feig, Alison Stokes, 2011

IAS Prelims General Studies Paper 1 - 101 Speed Tests with 5 Practice Sets - 4th Edition Disha

Experts, 2019-03-26 The thoroughly updated 4th edition of the book IAS Prelims General Studies Paper 1 101 Speed Tests with 5 Practice Sets consists of latest questions in all the sections The 12 tests in the General Knowledge and Current Affairs section have been completely Changed and based on latest happenings No matter where you PREPARE from a coaching or any textbook Guide 101 SPEED TESTS provides you the right ASSESSMENT on each topic Your performance provides you the right cues to IMPROVE your knowledge in the various topics so as to perform better in the final examination It is to be noted here that these are not mere tests but act as a checklist of student s learning and ability to apply concepts to different problems The book contains 87 Topical Tests 9 sectional tests 5 Full length Practice Tests The complete CSAT paper 1 syllabus has been divided into 7 broad sections which are further divided into 87 topics The book aims at improving your SPEED followed by STRIKE RATE which will eventually lead to improving your SCORE Each test is based on small topics and contains around 20 MCQs on the latest pattern of the exam The various types of questions covered are Statement based Matching based Sequencing of events and Feature based MCQs The whole syllabus has been divided into 9 sections which are further distributed into 82 topics Finally at the end 5 FULL TESTS are provided so as to give the candidates the real feel of the final exam The Full Test contains 100 questions as per the latest pattern In all the book contains 2400 Quality MCQ s in the form of 101 tests Solutions to each of the 101 tests are provided at the end of the book [CSIR NET Earth, Atmospheric, Ocean Sciences Question Bank](#) Mocktime Publication, This comprehensive question bank for the CSIR NET in Earth Atmospheric Ocean and Planetary Sciences covers the full syllabus of Part B C of the single paper test General Science

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Planetary Geology, 1998 *Geography Textbook* D R Khullar, A text book on Geography

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