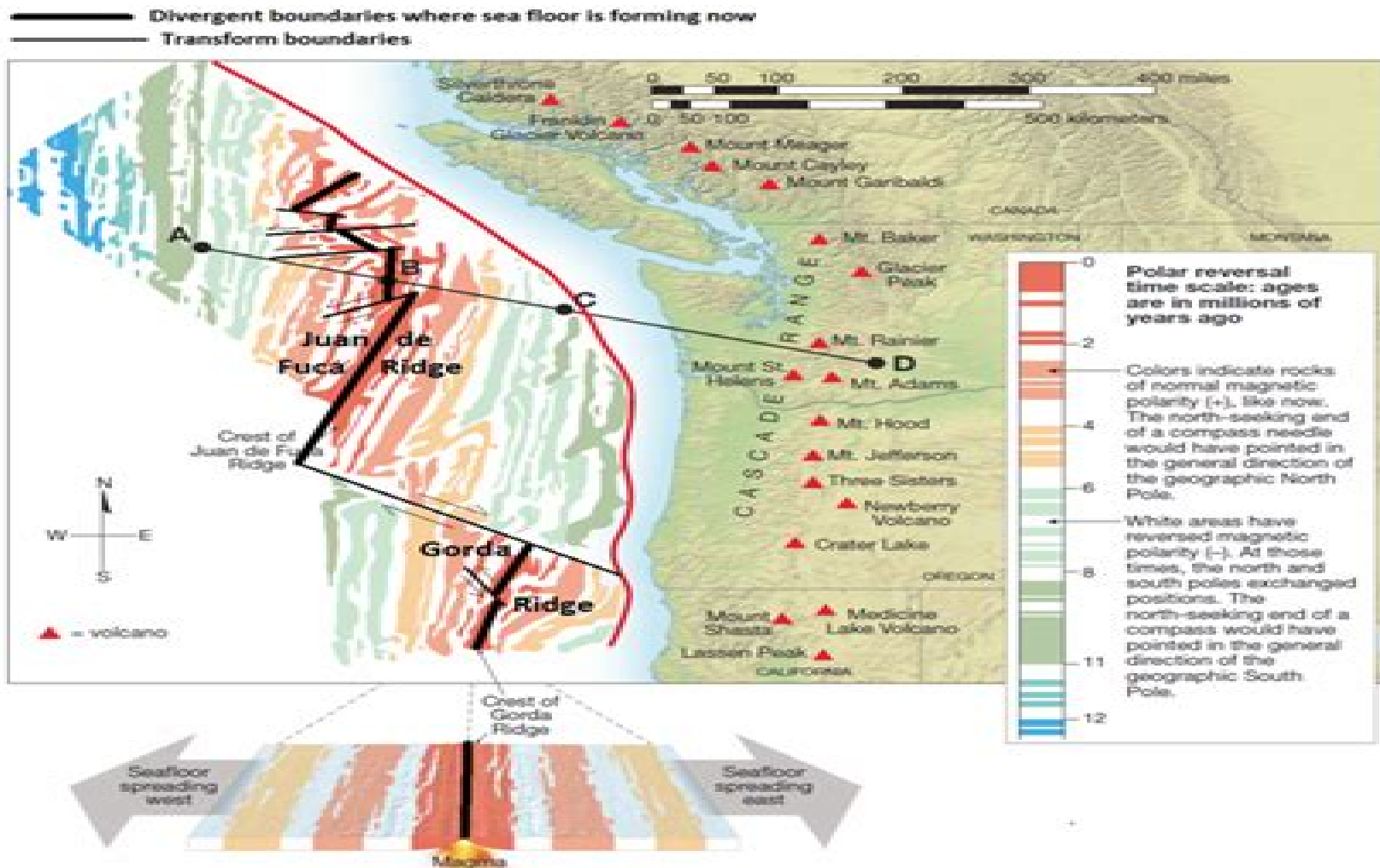


# Physical Geology Lab # 2: Plate Tectonics

## Paleomagnetic Stripes and Seafloor Spreading

Analyze the seafloor part of the map below just off the Pacific Coast along California, Oregon, Washington, and southwest Canada. The shaded/colored bands are seafloor magnetic anomalies. Shaded/colored bands are rocks with a positive magnetic anomaly so they have normal polarity like the present day. The white bands are rocks with a negative or reversed polarity. The different shades or colors indicate the ages of the rocks in millions of years as shown in the Polar Reversal Time Scale chart provided.

Carry out the tasks and answer the questions on the following page.



# Physical Geology Lab Manual Plate Tectonics

**Tissa Munasinghe**



## **Physical Geology Lab Manual Plate Tectonics:**

Physical Geology Jeffrey R. Knott, Wayne Henderson, Kristen Weaver Bowman, Patrica Butcher, 2014-07-14      *Laboratory Manual for Physical Geology* James Herbert Zumberge, Robert Hoxie Rutford, 1991 This laboratory manual is written for the freshman level laboratory course in physical geology In this lab students study Earth materials geologic interpretation of topographic maps aerial photographs and Earth satellite imagery structural geology and plate tectonics and related phenomena With nearly 30 exercises professors have great flexibility when developing the syllabus for their physical geology lab course The ease of use tremendous selection and tried and true nature of the labs selected have made this lab manual one of the leading selling physical geology lab manuals      **Laboratory Manual for Physical Geology** James Zumberge, Robert Rutford, James Carter, 2008-11-17 *Laboratory Manual for Physical Geology 14e* is written for the freshman level laboratory course in physical geology In this lab students study Earth materials geologic interpretation of topographic maps aerial photographs and Earth satellite imagery structural geology and plate tectonics and related phenomena With over 30 exercises professors have great flexibility when developing the syllabus for their physical geology lab course The ease of use tremendous selection and tried and true nature of the labs selected have made this lab manual one of the leading selling physical geology lab manuals      **Laboratory Manual for Physical Geology** James L. Carter, Robert H. Rutford, James H. Zumberge, 2013-10-17 *Zumberge's Laboratory Manual for Physical Geology 16e* is written for the freshman level laboratory course in physical geology In this lab students study Earth materials geologic interpretation of topographic maps aerial photographs and Earth satellite imagery structural geology and plate tectonics and related phenomena With over 30 exercises professors have great flexibility when developing the syllabus for their physical geology lab course The ease of use tremendous selection and tried and true nature of the labs selected have made this lab manual one of the leading selling physical geology lab manuals      *Zumberge's Laboratory Manual for Physical Geology* Robert Rutford, James Carter, 2010-11-16 *Zumberge's Laboratory Manual for Physical Geology 15e* is written for the freshman level laboratory course in physical geology In this lab students study Earth materials geologic interpretation of topographic maps aerial photographs and Earth satellite imagery structural geology and plate tectonics and related phenomena With over 30 exercises professors have great flexibility when developing the syllabus for their physical geology lab course The ease of use tremendous selection and tried and true nature of the labs selected have made this lab manual one of the leading selling physical geology lab manuals      **Laboratory Manual for Physical Geology** James H. Zumberge, Robert H. Rutford, 1991 This laboratory manual is written for the freshman level laboratory course in physical geology In this lab students study Earth materials topographic maps aerial photographs and other imagery from remote sensing geologic interpretation of topographic maps aerial photographs and Earth satellite imagery structural geology and plate tectonics and related phenomena With nearly 30 exercises this gives flexibility when developing the syllabus for this course The ease of use

tremendous selection and tried and true nature of the labs selected have made this the leading selling physical geology manual *Laboratory Manual for Physical Geology* by James L. Carter, James H. Zumberge, Robert H. Rutherford, 2006-06-14 This successful laboratory manual is written for the freshman level laboratory course in physical geology. In this lab, students study Earth materials, geologic interpretation of topographic maps, aerial photographs, and Earth satellite imagery, structural geology, and plate tectonics and related phenomena. With nearly 30 exercises, professors have great flexibility when developing the syllabus for their physical geology lab course. The ease of use, tremendous selection, and tried and true nature of the labs selected have made this lab manual one of the leading selling physical geology lab manuals.

**Physical Geology Laboratory Manual - eBook** Jeffrey R. Knott, Wayne Henderson, Patricia Butcher, 1753-01-01

**Physical Geology** R. D. Dallmeyer, 1999-08 **Laboratory Manual in Physical Geology** American Geological Institute, 2000 For majors and non majors in undergraduate lab courses for Introductory Geology and Physical Geology. The best selling lab manual for undergraduate lab courses in Physical Geology or Introductory Geology for majors and non majors. With contributions from more than 120 highly regarded geologists and geoscience educators and an exceptional illustration program by Dennis Tasa, this user friendly laboratory manual focuses students on the basic principles of geology and their applications to everyday life in terms of natural resources, natural hazards, and human risks. This edition pushes the frontiers of geologic education even further with the inclusion of four new computer based labs. **Physical Geology** R. David Dallmeyer, 2000-07-01 **Laboratory Manual for Physical Geology** Norris W. Jones, Charles E. Jones, 2005 If it is

important for you to incorporate the scientific method into your teaching, this lab manual is the perfect fit. In every exercise, there are scientific method boxes that provide students with insight into the relevance of the scientific method to the topic at hand. The manual also includes In Greater Depth problems, a more challenging probe into certain issues. They are more quantitative in nature and require more in depth critical thinking, which is unique to this type of manual. Physical Geology

James H. Zumberge, Robert H. Rutherford, James L. Carter, 2000-02 This laboratory manual is written for the freshman level laboratory course in physical geology. In this lab, students study Earth materials, topographic maps, aerial photographs, and other imagery from remote sensing, geologic interpretation of topographic maps, aerial photographs, and Earth satellite imagery, structural geology, and plate tectonics and related phenomena. With nearly 30 exercises, this gives flexibility when developing the syllabus for this course. The ease of use, tremendous selection, and tried and true nature of the labs selected have made this the leading selling physical geology manual. Lab Manual for Physical Geology Tissa

Munasinghe, 2019-12-28 This is an introductory level college laboratory manual to accompany Physical Geology Lab. This book is written for non science majoring students who are planning to complete their general education courses. The exercises include simple mathematical unit calculations, generation and reading of scientific graphs, reading topographic maps, generating and reading contour diagrams, plate tectonics, minerals, igneous rocks, sedimentary rocks, metamorphic rocks.

geologic time rocks deformation and geologic maps The majority of the exercises are self containing and require no additional material      **Laboratory Manual in Physical Geology** American Geological Institute,1997 This Laboratory Manual in Physical Geology is a richly illustrated user friendly laboratory manual for teaching introductory geology and geoscience      **Physical Geology Laboratory Text and Manual** Central Michigan University Edition CMU Staff,1993-07-01      **Laboratory Manual for Physical Geology** David D. Alt,Donald W. Hyndman,1973      **Laboratory Manual for Physical Geology** Paul Feiss,1995-09-01      Laboratory Manual for Physical Geology James Herbert Zumberge,1979      **Essentials of Physical Geology** Anatole Dolgoff,Mary Falcon,1998

## Reviewing **Physical Geology Lab Manual Plate Tectonics**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Physical Geology Lab Manual Plate Tectonics**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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