



1.2.1 Study: A Global View

Earth Science Sem 1

Study Guide

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Use the spaces below to take notes on the key concepts presented in this study.
Main Idea #1: Maps are tools used to describe places on Earth accurately, and to find direction. However, you need to know if you are holding a map right side up.

Cartographers:
People who create maps.

Latitude and Longitude Lines

Define Latitude:

The lines that run east to west on a map or globe that give indications about the distance north or south of the equator.

Also Called: **Parallels**

Q: Degrees Is Called:

Latitude



Define Longitude:

The lines that run north to south on a map or globe that give indications about the distance east or west of the prime meridian.

Also Called: **Meridians**

Q: Degrees Is Called:

Longitude

Symbols Used on a Map

Compass Rose

Define:

A design on maps that shows which direction you're heading to go.



Scale

Define:

The ratio of the distance on the map to the actual distance between locations.

Types

Graphics

Graphic that is used to identify the map the length of the actual distance.



Fractional

A scale that gives the ratio of scale on the map to scale on Earth's surface.

Fractional
1:24,000
1:48,000
1:96,000
1:192,000
1:384,000

Direction Tools Used in Real Life:

Q: Maps point north because of the Earth's magnetic field.

Global Positioning Satellite (GPS):

A technology that uses satellites to provide location information on Earth.

Main Idea #2: Two-dimensional maps distort distances on the three-dimensional surface of Earth.

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Edward J. Tarbuck



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Earth Science Edward J. Tarbuck,2012 **Earth Science** ,2015 **Earth Science** Nancy E. Spaulding,2003

Earth Science Today Brendan Murphy,Damian Nance,1999 Earth Science Today helps you reach your classroom goals Murphy and Nance recognize the challenge of covering the earth sciences physical geology meteorology astronomy and oceanography to name a few in just one term So they ve developed a text that helps you create a clear and engaging presentation While covering traditional topics in comfortable depth Murphy and Nance emphasize the interplay of the Earth s processes With this process oriented approach they re able to stress the concepts and principles that will stay relevant to students even after they finish your course Murphy and Nance s jargon free language helps your students grasp the concepts and enables them to feel confident in their knowledge of the material So with Earth Science Today your students will leave your course with much more than a basic understanding of Earth Science They ll experience Murphy and Nance s infectious enthusiasm for learning and discovery And they ll see how the Earth s processes affect their daily lives and vice versa Whenever your students see hot blue text in the review materials your students will know that they can find more resources at the Brooks Cole Earth Science Resource Center web site There they ll be able to find the key terms and concepts for each chapter review additional critical thinking questions activities and more **Pearson Etext Earth Science Access Card** Edward Tarbuck,Dennis G. Tasa,Frederick Lutgens,2018-06-29 Use dynamic media to bring Earth Science to life Earth Science answers the need for a straightforward text that excites students about the world around them Perfect for students with little to no background in science the text covers geology oceanography meteorology and astronomy clearly and without technical jargon Instructors and students praise Tarbuck Lutgens and Tasa for their uncomplicated writing dynamic media that help visualize physical processes stunning Illustration program that brings the wow factor and valuable activities in Mastering Geology that provide activity based learning to solidify students understanding The 15th Edition incorporates the latest data and applications from Earth Science new data analysis activities and an updated dynamic mobile media and Mastering Geology program For introductory courses in Earth Science Pearson eText is a simple to use mobile optimized personalized reading experience It lets students highlight take notes and review key vocabulary all in one place even when offline Seamlessly integrated videos and other rich media engage students and give them access to the help they need when they need it Educators can easily schedule readings and share their own notes with students so they see the connection between their eText and what they learn in class motivating them to keep reading and keep learning And reading analytics offer insight into how students use the eText helping educators tailor their instruction NOTE This ISBN is for the Pearson eText access card For students purchasing this product from an online retailer Pearson eText is a fully digital delivery of Pearson content and should only be purchased when required by your instructor In addition to your purchase you will need a course invite link provided by your instructor to register for and use Pearson eText **Earth Science** Edward J.

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