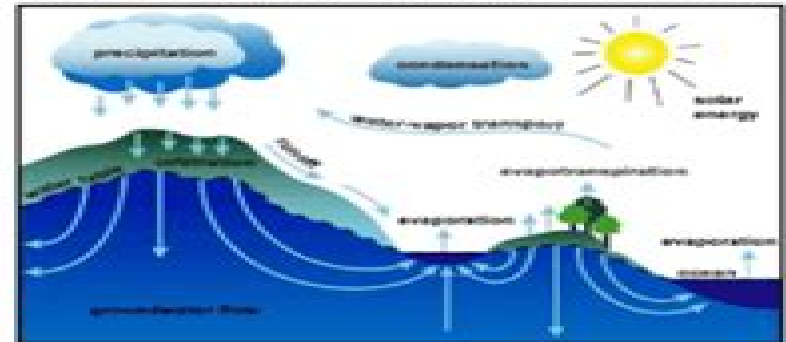


## Earth Science Study Guide Semester 2 Exam

*For the semester exam, you will need to understand the following:*

1. Explain all steps of the water cycle, know how to include them in a diagram, and how they are similar and different:
  - a. **Runoff: surface water**
  - b. **Evaporation: liquid to gas**
  - c. **Condensation: gas to liquid**
  - d. **Precipitation: rain/ snow/sleet/hail**
  - e. **Groundwater: fresh water UNDER ground**
  - f. **Infiltration: absorption into soil**
  - g. **Transpiration - evaporation from plants**
  - h. **Evapotranspiration- evaporation from animals, plants, soil**
  - i. **What powers the water cycle? SUN**



Phase changes of matter

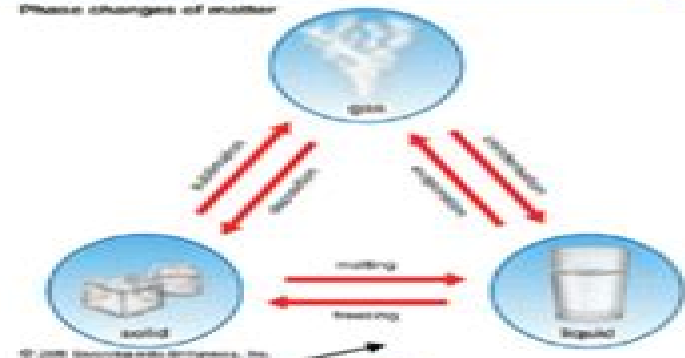
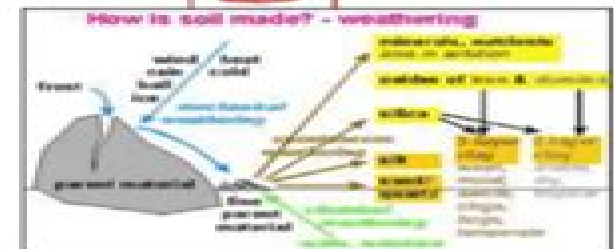
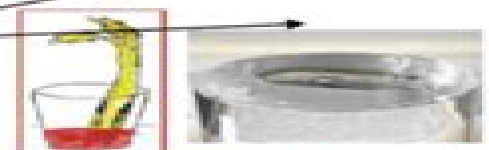


Figure 1  
Diagram of water molecule arrangement in solid, liquid, and gas phases.



3. Properties of water (explain and compare each)
  - a. **Cohesion - surface tension- water sticks to water**
  - b. **Adhesion - water sticks to "stuff"**
  - c. **Universal Solvent- water (solvent) dissolves "stuff" (solutes)**
  - d. **Which of these contributes MOST to soil formation? Weathering/ universal solvent**



# Dynamic Earth Science Study Guide

**Brian J. Skinner**



## Dynamic Earth Science Study Guide:

**The Dynamic Earth** Michael M. Kimberley, Brian J. Skinner, Susan J. Kimberley, Stephen C. Porter, 1992      **The Dynamic Earth, Study Guide** Brian J. Skinner, Stephen C. Porter, 1995-01-19 A comprehensive introduction that focuses on all of the major scientific processes of physical geology Researched and written by two eminent geologists the third edition includes new overarching themes of environmental issues and human interaction with the earth and its resources Each chapter begins with an essay on this subject Each part ends with a guest essay on the good stewardship of the Earth how we can take care of our planet The art program has been revised with 40% new art throughout to reflect current research

The Dynamic Earth Brian J. Skinner, Stephen C. Porter, 1994-06-01      **Earth Science: A Study Guide for Students** Cybellium, 2024-10-26 Designed for professionals students and enthusiasts alike our comprehensive books empower you to stay ahead in a rapidly evolving digital world Expert Insights Our books provide deep actionable insights that bridge the gap between theory and practical application Up to Date Content Stay current with the latest advancements trends and best practices in IT AI Cybersecurity Business Economics and Science Each guide is regularly updated to reflect the newest developments and challenges Comprehensive Coverage Whether you re a beginner or an advanced learner Cybellium books cover a wide range of topics from foundational principles to specialized knowledge tailored to your level of expertise Become part of a global network of learners and professionals who trust Cybellium to guide their educational journey [www.cybellium.com](http://www.cybellium.com)      (WCS)*Dynamic Earth 5th Edition with CD, Study Guide and Study Tips Set* Brian J Skinner, 2003-12-16      Let's

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Science, Module Study Guide Booklet Level 6 Unit C Science, 2008-08      **The Dynamic Earth, Casebook** Brian J. Skinner, Michael M. Kimberley, Susan J. Kimberley, Stephen C. Porter, 1995-02-07 A comprehensive introduction that focuses on all of the major scientific processes of physical geology Researched and written by two eminent geologists the third edition includes new overarching themes of environmental issues and human interaction with the earth and its resources Each chapter begins with an essay on this subject Each part ends with a guest essay on the good stewardship of the Earth how we can take care of our planet The art program has been revised with 40% new art throughout to reflect current research      Dynamic Earth Eric H. Christiansen, W. Kenneth Hamblin, 2014-02-26 New technologies has given us many

different ways to examine the Earth For example we can penetrate deep into the interior of our planet and effectively X ray its internal structure With this technology comes an increased awareness of how our planet is continually changing and a fresh awareness of how fragile it is Designed for the introductory Physical Geology course found in Geology Earth Science Geography or Physical Science departments *Dynamic Earth An Introduction to Physical Geology* clearly presents Earth s dynamic geologic systems with their many interdependent and interconnected components It provides comprehensive coverage of the two major energy systems of Earth the plate tectonic system and the hydrologic cycle The text fulfills the needs of professors by offering current content and a striking illustration package while exposing students to the global view of Earth and teaching them to view the world as geologists *The Dynamic Earth* Brian J. Skinner, 2006-08-04

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