

How to Use the GEODE II CD-ROM

In CLEMS, Lab Room 3186, click-on the Physical Science Folder and then click-on the GEODE II icon to run the program. Click on a button, yellow, or black section heading to jump to that part. In CLEMS bring your personal headphones for sound effects and click on "Narration Inactive" on Main Menu to hear narrations. To get the most benefit from the program, *do not skip the questions*. Do them and, if you get any wrong, repeat them. The program is for the geology topics; there is almost no meteorology or astronomy content in it. Some screens may be slow to load. Be patient and wait for the navigation icon in the lower-right corner to appear. If the program stops running correctly, press together CONTROL-ALT-DELETE to end the task in Windows. To stop it on a Macintosh press together CONTROL-⌘-PERIOD. After the screen images that follow are some additional more technical notes.

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 NARRATION INACTIVE

MAIN MENU

- Introduction
- Earth Materials
- External Processes
- Internal Processes
- Geologic Time
- Landforms of the United States

How to use this program Glossary Credits Off

- Forward**
Continue to the next screen
- Rewind**
Back up to the previous screen
- Fast Forward**
Go forward quickly
- Fast Rewind**
Go backward quickly
- Return**
Return from a side trip (like this one!)
- Main Menu**
Jump straight to the Main Menu
- Replay**
See the last animation again
- Is this right?**
Check your answer to a question (if wrong, try again!)
- I Give Up!**
See the correct answer to a question
- Skip**
Skip past a question
- Position Gauge**
Click to jump to any position within a section

Sound
 Sound Volume 100%

Click on bold items to see a glossary entry.

Main Menu

Introduction

- 1 A. A View of Earth
- 16 B. Earth's layered structure
- 27 C. Features of the continents
- 47 D. Floor of the ocean

Main Menu

Earth Materials

- 60 A. Minerals
 1. Introduction
 2. Major Mineral Groups
 3. Properties Used to Identify Minerals
 4. Mineral Identification
- 504 B. Mineral Review
- 215 C. Rock Cycle
- 215 D. Igneous Rocks
 1. Introduction
 2. Igneous Textures
 3. Mineral Composition of Igneous Rocks
 4. Naming Igneous Rocks
- 287 E. Sedimentary Rocks
 1. Introduction
 2. Types of Sedimentary Rocks
 3. Interpreting Environments
- 567 F. Metamorphic Rocks
 1. Introduction
 2. Agents of Metamorphism
 3. Textural and Mineralogical Changes
 4. Common Metamorphic Rocks
- G. Rock Review

Main Menu

External Processes

- 399 A. External vs. Internal Processes
- 410 B. Hydrologic cycle
- 436 C. Running Water
 1. Stream Characteristics
 2. Review — Valleys and Stream-Related Features
- 475 D. Groundwater
 1. Groundwater and its Importance
 2. Springs and Wells
- 527 E. Glaciers
 1. Introduction
 2. Budget of a Glacier
 3. Reviewing Glacial Features
- 612 F. Deserts
 1. Distribution and Causes of Dry Lands
 2. Common Misconceptions About Deserts
 3. Review of Landforms and Landscapes
- 692 G. Coastal Processes
 1. Waves and Beaches
 2. Wave Erosion

Main Menu

Internal Processes

- 764 A. Plate Tectonics
 1. Introduction
 2. Plate Boundaries
- 806 B. Crustal Deformation
 1. Introduction
 2. Mapping Geologic Structures
 3. Folds
 4. Faults and Fractures (Joints)
 5. Review
- 898 C. Earthquakes
 1. What is an Earthquake?
 2. Seismology
 3. Locating an Earthquake
- 952 D. Igneous Activity
 1. The Nature of Volcanic Eruptions
 2. Materials Extruded During an Eruption
 3. Volcanoes
 4. Intrusive igneous Activity

Main Menu

GEODE II CD-ROM...

The image displays three screenshots from the GEODE II CD-ROM interface. The top-left screen is titled "Geologic Time" and lists three options: "A. Geologic Time Scale", "B. Relative Dating", and "C. Absolute Dating". The top-right screen is titled "Landforms of the United States" and lists two options: "A. Landform Regions" and "B. A Geologic Tour". Both top screens feature a "Main Menu" button and four directional arrow buttons. The bottom screen is titled "Glossary" and shows a list of terms on the left, with "Angular unconformity" selected. The definition for "Angular unconformity" is displayed in a large text box: "An unconformity in which the older strata dip at an angle different from that of the younger beds." Below the definition, there are instructions: "Scroll through the list of terms on the left, and click on a term to see its definition." and "You can also click on any word in a definition above to jump directly to its glossary entry." A "Previous" button and a circular arrow button are also visible on the bottom screen.

Geologic Time

- 1027 A. Geologic Time Scale
- 1064 B. Relative Dating
- 1094 C. Absolute Dating

Landforms of the United States

- 1142 A. Landform Regions
- B. A Geologic Tour

Glossary

Aa

- Absolute dating
- Abyssal plain
- Accretionary wedge
- Aggregate
- Alluvial fan
- Alpine glacier
- Andesite
- Angular unconformity
- Anticline
- Aphanitic
- Aquitard
- Aquifer
- Arête
- Arkose
- Artesian well
- Asthenosphere
- Atmosphere
- Atoll
- Atom
- Atomic mass unit
- Atomic number
- Atomic weight
- Axial plane
- Axis
- Backswamp
- Barchan dune
- Barchanoid dune
- Barrier island
- Basaltic

Angular unconformity

An unconformity in which the older strata dip at an angle different from that of the younger beds.

Previous

Scroll through the list of terms on the left, and click on a term to see its definition.

You can also click on any word in a definition above to jump directly to its glossary entry.

Technical Notes: a) This program will run under Microsoft Windows 3.1/ 95/98/NT as well as the Macintosh OS. b) If your monitor is set to display above 640 x 480 pixels as in CLEMS, the software will not use your entire monitor display. Then a black border will surround program screens. c) You can skip the opening credits and go directly to the Main Menu screen by holding down your Shift key immediately after double-clicking the program to start it. d) When using the Fast Forward and Fast Rewind buttons, you can hold down your shift key to force the program to go as fast as possible (normally, the software will constrain these movement keys to a reasonable speed.) However, for computer systems with slower CD-ROM drives, "as fast as possible" may be no faster than the normal program behavior. e) The entire CD is about 500 MB and can be copied to your hard drive for faster response, if you have the hard drive space. f) There is a technical read-me file on the CD that may be useful to you.