

# WEATHERING

Mechanical & Chemical

## VOCABULARY:

- weathering- the process by which natural forces break down rocks.
- mechanical weathering- the breaking up of rocks by physical forces (ice, roots, abrasion)
- exfoliation- a process in which layers or sheets of rock gradually break off
- abrasion- the process of wearing down by friction, the rubbing of one object or surface against another.
- chemical weathering-the breakdown of rocks by chemical reactions that change the rocks' makeup, or composition.



**Weathering breaks rocks into smaller pieces.**

**THINK:** Imagine the tiniest rock you have ever found. How did it get so small? It didn't start out that way! What forces created this rock?

- 2 types of weathering: **Mechanical** and **Chemical**

**Mechanical weathering produces physical changes in rocks.**

- In the natural process of **Mechanical Weathering**, physical forces split rocks apart but do not change their **composition** (like smashing a walnut).
- **Ice Wedging**, **Pressure Release**, **Plant Root Growth**, and **Abrasion** can all cause mechanical weathering.

Type of Mechanical Weathering	Explanations	Illustrations
<u>Ice Wedging</u>	Water freezes in the cracks of rocks and expands. The force of expansion is strong enough to split the rocks apart. This process can break up huge boulders. It is common in our area.	
<u>Pressure release</u>	Earth's forces can push rock that formed deep underground up to the surface. The pressure inside the rock is still high, and the pressure on the surface is released. This causes the rock to expand and crack. This leads to exfoliation.	

# Study Guide Weathering Answers

**Christian Drosten**

## **Study Guide Weathering Answers:**

*Understanding Earth Student Study Guide* Peter L. Kresan, Reed Mencke, 2006-05-03 The guide helps students prepare for lectures and exams with a heavy emphasis on utilizing the book's Web resources **Geology Study Guide Questions and Answers**, 2014-10-05 Over 1500 Real ASBOG exam questions and answers Also use for geology practice college exams and certification **ASVAB STUDY GUIDE & PRACTICE TESTS 2025-2026** Craig T. Smith, Your ASVAB score isn't just a test result it's the key to your future in the U.S. Armed Forces This comprehensive 2025-2026 edition by Craig T. Smith delivers everything you need to dominate the exam and secure your ideal military occupational specialty (MOS). Inside this all-in-one guide you'll discover Strategic Test Mastery, Conquer CAT ASVAB adaptive testing with pacing tactics, smart guessing techniques, and stress management protocols. 2,500 Realistic Questions. Build test endurance with practice drills and full-length exams mirroring current formats. Branch Specific Guidance Tailored preparation for Air Force, Navy, Army, and Marine Corps technical combat roles. Core Subject Deep Dives: Math, Bootcamps, algebra, geometry, Vocabulary, Domination systems, and Paragraph Comprehension tactics. Technical Section Expertise: Electronics, schematics, vehicle systems, mechanical physics, and spatial reasoning. Digital Advantage: Access flashcards, quick reference formulas, and performance tracking tools. AFQT Optimization: Precisely target the 4 critical subtests that determine enlistment eligibility. Diagnostic Tools: Identify weaknesses with baseline assessments and customized study plans. Updated for 2025 requirements, this independent guide features insider strategies not found in official materials. From foundational arithmetic to advanced electronics, each chapter transforms complex concepts into actionable steps with real-world military applications. Whether you're aiming for Special Operations, Cyber Warfare, Nuclear Engineering, or Aviation roles, this system provides the edge to maximize your score potential. Includes registration checklists, test day protocols, and post-exam career planning. Your mission starts here. Equip yourself with the knowledge to excel. Disclaimer: Not affiliated with or endorsed by the U.S. Department of Defense or military branches. 2025 Craig T. Smith All Rights Reserved.

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**Shipman Phys Sci 6e Study Guide** James T. Shipman, Jerry D. Wilson, 1990 *Physical Geography Manual* Nels August Bengtson, 1912 **Study Guide** Christopherson, 2003-07 The study guide includes additional learning objectives, a complete chapter outline, critical thinking exercises, problems, and short essay work using actual figures from the text and a self-test with answer key in the back.

**Gage Canadian GED Study Guide Series** Kathy Austin, 1998 **Science California, Level 2** Houghton Mifflin, 2007

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