gizmo rock cycle

Gizmo rock cycle is an interactive educational tool that helps students understand the complex processes involved in the formation, transformation, and recycling of rocks within the Earth's crust. The rock cycle is a fundamental concept in geology that illustrates how rocks change from one type to another over geological timescales. This article delves into the components of the Gizmo rock cycle, its significance in education, and how it enhances understanding of geological processes.

Understanding the Rock Cycle

The rock cycle is a continuous process that describes the transformation of three main types of rocks: igneous, sedimentary, and metamorphic. Each type of rock is formed through distinct geological processes, and the cycle illustrates how these rocks can change from one form to another over time.

Types of Rocks

1. Igneous Rocks: Formed from the cooling and solidification of magma or lava. Examples include granite and basalt.

2. Sedimentary Rocks: Created through the accumulation of sediment, which can include minerals, organic matter, and other particles. Common examples include limestone and sandstone.

3. Metamorphic Rocks: Formed from existing rocks that undergo transformation due to heat, pressure, or chemically active fluids. Examples include schist and marble.

The Processes of the Rock Cycle

The rock cycle involves several key processes that facilitate the transformation of rocks:

- Weathering and Erosion: The breakdown of rocks into smaller particles, which are then transported by wind, water, or ice.
- Sedimentation: The accumulation of eroded materials in layers, which can eventually compact and cement to form sedimentary rocks.
- Metamorphism: The alteration of existing rocks due to intense heat and pressure, leading to the formation of metamorphic rocks.
- Melting and Cooling: The process where rocks are melted into magma and then solidified into igneous rocks once they cool.

The Role of Gizmo in Learning about the Rock Cycle

Gizmo is an innovative online platform that offers interactive simulations and visualizations to help students grasp complex scientific concepts, including the rock cycle. This tool provides an engaging way to explore geological processes through virtual experiments.

Features of the Gizmo Rock Cycle Simulation

- Interactive Learning: Gizmo allows students to manipulate variables and observe outcomes, making learning more engaging and effective.

- Visualization of Processes: The simulation visually represents the transformation of rocks, helping students understand processes that occur over long timescales.

- Real-Time Feedback: Students can receive immediate feedback on their experiments, reinforcing

their understanding of the content.

- Customizable Scenarios: Users can adjust different factors in the simulation to see how changes affect the rock cycle, thus deepening their comprehension.

Benefits of Using Gizmo for Understanding the Rock Cycle

1. Enhanced Engagement: The interactive nature of Gizmo captures students' interest and encourages them to explore concepts more deeply.

2. Improved Retention: Visual and hands-on learning experiences have been shown to enhance retention of information, making it easier for students to remember the rock cycle processes.

3. Accessibility: Gizmo can be accessed from various devices, making it a convenient resource for both teachers and students.

4. Support for Differentiated Learning: The simulation caters to different learning styles, allowing students to learn at their own pace and according to their individual needs.

Implementing the Gizmo Rock Cycle in the Classroom

To effectively integrate the Gizmo rock cycle simulation into the classroom, educators can follow a structured approach that maximizes its educational potential.

Preparation and Setup

1. Familiarization with the Tool: Teachers should first explore the Gizmo platform themselves to

understand its functionalities and how to navigate the simulations.

2. Curriculum Alignment: Ensure that the Gizmo rock cycle simulation aligns with the curriculum and learning objectives.

3. Resource Availability: Confirm that students have access to the necessary devices and internet connectivity for effective use of the Gizmo platform.

Classroom Activities

1. Introduction to the Rock Cycle: Begin with a brief overview of the rock cycle, introducing the three main types of rocks and their formation processes.

2. Interactive Simulation: Allow students to work in pairs or groups to explore the Gizmo rock cycle simulation. Encourage them to experiment with different scenarios and observe outcomes.

3. Discussion and Reflection: After the simulation, hold a class discussion where students can share their findings, insights, and any misconceptions they may have had.

4. Assessment: Use quizzes or written reflections to assess students' understanding of the rock cycle and their ability to apply what they learned through the simulation.

Conclusion

The **Gizmo rock cycle** simulation is a powerful tool that enhances the learning experience for students studying geology. By providing interactive and visual representations of complex geological processes, Gizmo enables students to grasp the dynamic nature of the rock cycle. Incorporating this resource into classroom instruction not only engages students but also fosters a deeper understanding of the Earth's processes, preparing them for further studies in earth science and related fields. As technology

continues to evolve, tools like Gizmo will play an essential role in making science education more accessible, engaging, and impactful.

Frequently Asked Questions

What is the Gizmo Rock Cycle simulation?

The Gizmo Rock Cycle simulation is an interactive educational tool that allows users to explore the processes of the rock cycle, including the formation, transformation, and recycling of different rock types.

How does the Gizmo Rock Cycle help students understand geological processes?

The Gizmo Rock Cycle helps students visualize and manipulate the various stages of the rock cycle, such as sedimentation, metamorphism, and igneous formation, enhancing comprehension through hands-on learning.

What types of rocks can be studied in the Gizmo Rock Cycle?

In the Gizmo Rock Cycle, students can study igneous, sedimentary, and metamorphic rocks, examining their formation processes and characteristics.

Can the Gizmo Rock Cycle simulate natural disasters affecting the rock cycle?

Yes, the Gizmo simulation allows users to explore how natural events like volcanic eruptions and erosion can influence the rock cycle, providing insight into geological changes.

Is the Gizmo Rock Cycle suitable for all grade levels?

The Gizmo Rock Cycle is designed for middle and high school students, but it can also be adapted for younger audiences with guided instruction.

What skills can students develop using the Gizmo Rock Cycle?

Students can develop critical thinking, problem-solving, and analytical skills as they observe and manipulate the various processes involved in the rock cycle.

How does the Gizmo Rock Cycle incorporate real-world examples?

The simulation incorporates real-world examples by allowing users to see how rock types are formed in different environments and how they relate to Earth's geology.

Are there assessments included in the Gizmo Rock Cycle?

Yes, the Gizmo Rock Cycle often includes assessments and quizzes to test understanding and reinforce concepts learned during the simulation.

How can teachers integrate the Gizmo Rock Cycle into their curriculum?

Teachers can integrate the Gizmo Rock Cycle into their curriculum by using it as a supplementary tool for lessons on geology, earth science, and environmental studies.

What are some common misconceptions about the rock cycle that the Gizmo addresses?

The Gizmo addresses misconceptions such as the idea that the rock cycle is a linear process, clarifying that it is actually a complex, interconnected system of transformations.

Gizmo Rock Cycle

gizmo rock cycle: Teaching and Learning Online Franklin S. Allaire, Jennifer E. Killham, 2023-01-01 Science is unique among the disciplines since it is inherently hands-on. However, the hands-on nature of science instruction also makes it uniquely challenging when teaching in virtual environments. How do we, as science teachers, deliver high-quality experiences to secondary students in an online environment that leads to age/grade-level appropriate science content knowledge and literacy, but also collaborative experiences in the inquiry process and the nature of science? The expansion of online environments for education poses logistical and pedagogical challenges for early childhood and elementary science teachers and early learners. Despite digital media becoming more available and ubiquitous and increases in online spaces for teaching and learning (Killham et al., 2014; Wong et al., 2018), PreK-12 teachers consistently report feeling underprepared or overwhelmed by online learning environments (Molnar et al., 2021; Seaman et al., 2018). This is coupled with persistent challenges related to elementary teachers' lack of confidence and low science teaching self-efficacy (Brigido, Borrachero, Bermejo, & Mellado, 2013; Gunning & Mensah, 2011). Teaching and Learning Online: Science for Secondary Grade Levels comprises three distinct sections: Frameworks, Teacher's Journeys, and Lesson Plans. Each section explores the current trends and the unique challenges facing secondary teachers and students when teaching and learning science in online environments. All three sections include alignment with Next Generation Science Standards, tips and advice from the authors, online resources, and discussion questions to foster individual reflection as well as small group/classwide discussion. Teacher's Journeys and Lesson Plan sections use the 5E model (Bybee et al., 2006; Duran & Duran, 2004). Ideal for undergraduate teacher candidates, graduate students, teacher educators, classroom teachers, parents, and administrators, this book addresses why and how teachers use online environments to teach science content and work with elementary students through a research-based foundation.

gizmo rock cycle: The Leeds Story Cycle Daniel Ingram-Brown, Chris Nickson, Rommi Smith, Lorna Poustie, Jane Steele, Testament, 2014-06-22 It's 5th July 2014 and the world's biggest cycling race is about to depart from Leeds. 22 teams, 198 riders, 2,000 journalists and 4 million people are converging on this Yorkshire city. Among them are Gizmo the dog, with his owner; a woman carrying a tin full of memories; a refugee with a rose in their pocket; a student; a grandad and grandson; and X. For each of them, 5th July will turn out to be a life changing day. Created by community groups from across the city, The Leeds Story Cycle is what you get when you put a group of young people, asylum seekers, students, retired church folk, writers and recovering addicts in the same room and ask them to tell a story about their home town. Working with the groups, this unique collection of stories has been written by author, Chris Nickson; lyricist, Testament; poet and playwright, Rommi Smith; author, Daniel Ingram-Brown, poet, Jane Steele; playwright, Lorna Poustie; and theatre practitioners, Simon Brewis and Lynsey Jones.

gizmo rock cycle: What Is the Rock Cycle? Ellen Lawrence, 2014-08-01 Some of the rocks we see around us are millions of years old. Rocks don't stay the same forever, though. Rocks are changing and becoming new rocks all the time. Inside this book, readers will follow a clear, accessible, step-by-step journey through Earth's rock cycle. They will find out how igneous rock forms from magma following a volcanic eruption. Then they will explore how the igneous rock is eroded by rain to become sediment that eventually forms new sedimentary rock. When Earth's crust moves, the sedimentary rock is crushed, baked, and transformed into metamorphic rock deep underground. Finally, completing the cycle, the metamorphic rock is heated and melted to once again become magma. Filled with information perfectly suited to the abilities and interests of an early elementary audience, this colorful, fact-filled volume gives readers a chance not only to learn, but also to develop their powers of observation and critical thinking. From stunning photographs to high-interest facts, this book makes learning about Earth's ever-changing rocks a lively, engaging

experience.

gizmo rock cycle: *How the Rock Cycle Works* Bethany Bryan, 2009-01-01 Rocks are everywhere on Earth, and they can actually tell us a lot about the Earth's history. This exciting scientific resource examines the different kinds of rocks, how they form, and what they can be used for. Charts, graphic organizers, and diagrams make the rock cycle easy to understand.

gizmo rock cycle: The Rock Cycle Suzanne Slade, 2007-01-01 Describes the different kinds of rock found in the Earth and discusses the processes that form and change these rocks.

gizmo rock cycle: Simon & Schuster Mega Crossword Puzzle Book #14 John M. Samson, 2014-09-30 This classic crossword series returns for its ninetieth year with 300 never-before-published puzzles! Simon & Schuster published the first-ever crossword puzzle book in 1924. Now, ninety years later, the tradition continues with a brand-new collection of 300 crosswords from expert puzzle constructor, John M. Samson. The Simon & Schuster Mega Crossword Puzzle Book #14 is designed with convenience in mind and features perforated pages so you can tear out puzzles individually and work on them on-the-go. This new super-sized book will delight existing fans and challenge new puzzle enthusiasts as they discover this timeless and unique collection of entertainment.

gizmo rock cycle: *Guardians of Purity* Julie Hiramine, 2012-08-07 Raising PG Kids in an X-Rated World This world we live in is reaching into the hearts and minds of our children, shaping and molding them into a replica of its values, trends, and worldviews. Guardians of Purity gives you practical advice to help you stand against these destructive cultural influences, showing you how to: · Become an effective gatekeeper of your home · Have age-appropriate conversations about sex starting when they head out the door to school · Help teens walk out a lifestyle of purity and integrity

gizmo rock cycle: *Rock Cycle* Rebecca Hirsch, 2014-08-01 Get ready to get your hands dirty with The Rock Cycle. With its reader-friendly and interactive approach, this title covers key curriculum Earth science topics in an engaging way. This title explores the natural processes, how geologists study the rock cycle, and how the rock cycle relates to the reader's daily life. Aligned to Common Core standards and correlated to state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO.

gizmo rock cycle: Radiant Cool Dan Edward Lloyd, 2004 An innovative theory of consciousness, drawing on the phenomenology of Edmund Husserl and supported by brain-imaging, presented in the form of a hardboiled detective story. Professor Grue is dead (or is he?). When graduate student/sleuth Miranda Sharpe discovers him slumped over his keyboard, she does the sensible thing--she grabs her dissertation and runs. Little does she suspect that soon she will be probing the heart of two mysteries, trying to discover what happened to Max Grue, and trying to solve the profound neurophilosophical problem of consciousness. Radiant Cool may be the first novel of ideas that actually breaks new theoretical ground, as Dan Lloyd uses a neo-noir (neuro-noir?), hard-boiled framework to propose a new theory of consciousness.In the course of her sleuthing, Miranda encounters characters who share her urgency to get to the bottom of the mystery of consciousness, although not always with the most innocent motives. Who holds the key to Max Grue's ultimate vision? Is it the computer-inspired pop psychologist talk-show host? The video-gaming geek with a passion for artificial neural networks? The Russian multi-dimensional data detective, or the sophisticated neuroscientist with the big book contract? Ultimately Miranda teams up with the author's fictional alter ego, Dan Lloyd, and together they build on the phenomenological theories of philosopher Edmund Husserl (1859-1938) to construct testable hypotheses about the implementation of consciousness in the brain. Will the clues of phenomenology and neuroscience converge in time to avert a catastrophe? (The dramatic ending cannot be revealed here.) Outside the fictional world of the novel, Dan Lloyd (the author) appends a lengthy afterword, explaining the proposed theory of consciousness in more scholarly form. Radiant Cool is a real metaphysical thriller--based in current philosophy of mind--and a genuine scientific detective story--revealing a new interpretation of functional brain imaging. With its ingenious plot and its novel theory, Radiant

Cool will be enjoyed in the classroom and the study for its entertaining presentation of phenomenology, neural networks, and brain imaging; but, most importantly, it will find its place as a groundbreaking theory of consciousness.

gizmo rock cycle: Experiments on Rocks and the Rock Cycle Zella Williams, 2007-01-01 A collection of photographs and illustrated instructions for preparing experiments related to the different types of rocks and the rock cycle.

gizmo rock cycle: What Is the Rock Cycle? Natalie Hyde, 2010-04-30 Describes the natural transformation of one type of rock into another.

gizmo rock cycle: What Is the Rock Cycle? Louise Spilsbury, 2013-10-01 Although rocks may initially seem like solid, unchanging substances, they are actually made up of minerals that change forms and get recycled through many different stages. This engaging book explores the rock cycle with diagrams and detailed photographs illustrating the movement of rocks through their various states, including magma-formed igneous rock, metamorphic rock such as marble, and layered sedimentary rocks that build up over time. Also covered are the scientific processes that cause rocks to change forms and the ways in which humans have benefitted from rock's surprising and constant transformations.

gizmo rock cycle: Flights and Falls R.M. Greenaway, 2019-03-16 While Constable Dave Leith investigates past incidents along the stretch of highway to zero in on the faceless prankster, his unlikely partner on the case, Cal Dion, begins to suspect the team is on the wrong track.

gizmo rock cycle: *The Rock Cycle : All about Rocks and Soil | Geology Picture Book Grade 4 | Children's Science Education Books* Baby Professor, 2020-12-31 You may thing that rocks remain the same regardless of time because they are non-living. You are wrong. Rocks also undergo a cycle which is influenced by the processes on the Earth’s surface. This book will teach you about the rock cycle. At the end of this book, you should know which among the three types of rocks came first: the igneous, metamorphic or sedimentary?

gizmo rock cycle: Just Jake: Camp Wild Survival #3 Jake Marcionette, 2016-01-05 Jake Ali Mathews and his unique brand of AWESOMENESS is back! With summer break finally here, Jake Ali Mathews is looking forward to some relaxing kid time. But his dad has different ideas of what Jake's summer should look like. And soon enough, Jake, his dad, and his diabolical sister, Alexis, are on their way to Camp Wild Survial, hosted by celebrity wildnerness survivalist, Thunder Banks. All is not as it seems and soon, the Mathews family and their friends find themselves in some harrowing, not to mention hilarious, situations. Will Jake's brand of AWESOMENESS be enough to come out at the other end of summer break alive?

gizmo rock cycle: *Addicted To Noise* Michael Goldberg, 2022-11-01 Addicted to Noise collects the best interviews, profiles, and essays Michael Goldberg has written during his forty-plus years as a journalist. From combative interviews with Frank Zappa and Tom Waits to essays on how Jack Kerouac influenced Bob Dylan and the lasting importance of San Francisco’s first punk rock club, Goldberg, as novelist Dana Spiotta wrote, “shows us how consequential music can be.” Contained within these pages: interviews with Sleater-Kinney, Sonic Youth, Patti Smith, Lou Reed, Flipper, John Fogerty, Neil Young, and Rick James, along with profiles of Robbie Robertson, John Lee Hooker, James Brown, the Clash, Prince, Michael Jackson, the Flamin’ Groovies, Ramblin’ Jack Elliott, X, Laurie Anderson, Stevie Wonder, George Clinton, Devo, San Francisco punks Crime, and more. Plus short takes on Muddy Waters, Townes Van Zandt, Captain Beefheart, Professor Longhair, and others. As Greil Marcus writes in the Foreword, “You can feel the atmosphere: someone has walked into a room with a pencil in his hand—as the words go in perhaps the first song about a music critic, not counting Chuck Berry’s aside about the writers at the rhythm reviews—and suddenly people are relaxed . . . He isn’t after your secrets. He doesn’t want to ruin your career to make his. He doesn’t care what you think you need to hide. He actually is interested in why and how you make your music and what you think of it. So people open up, very quickly, and, very quickly, as a reader, you’re not reading something you’ve read before.”

gizmo rock cycle: Terraforming Mars Martin Beech, Joseph Seckbach, Richard Gordon,

2021-12-09 TERRAFORMING MARS This book provides a thorough scientific review of how Mars might eventually be colonized, industrialized, and transformed into a world better suited to human habitation. The idea of terraforming Mars has, in recent times, become a topic of intense scientific interest and great public debate. Stimulated in part by the contemporary imperative to begin geoengineering Earth, as a means to combat global climate change, the terraforming of Mars will work to make its presently hostile environment more suitable to life—especially human life. Geoengineering and terraforming, at their core, have the same goal—that is to enhance (or revive) the ability of a specific environment to support human life, society, and industry. The chapters in this text, written by experts in their respective fields, are accordingly in resonance with the important, and ongoing discussions concerning the human stewardship of global climate systems. In this sense, the text is both timely and relevant and will cover issues relating to topics that will only grow in their relevance in future decades. The notion of terraforming Mars is not a new one, as such, and it has long played as the background narrative in many science fiction novels. This book, however, deals exclusively with what is physically possible, and what might conceivably be put into actual practice within the next several human generations. Audience Researchers in planetary science, astronomy, astrobiology, space engineering, architecture, ethics, as well as members of the space industry.

gizmo rock cycle: Billboard , 1978-01-14 In its 114th year, Billboard remains the world's premier weekly music publication and a diverse digital, events, brand, content and data licensing platform. Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music, video, gaming, media, digital and mobile entertainment issues and trends.

gizmo rock cycle: *Investigating the Rock Cycle* Mary Lindeen, 2017-08-01 Igneous rocks, sedimentary rocks, and metamorphic rocks make up the three main types of rocks. But did you know that rocks are constantly being created, destroyed, and created again? Or that rocks are changed by weather, erosion, heat, and pressure? See the rock cycle in action in this fascinating book.

gizmo rock cycle: The Rock Cycle Sara Howell, 2017-12-15 The rock cycle is a story millions of years in the making. From metamorphic rock to magma and igneous rock to sedimentary rock and back again, rock is constantly forming, wearing down, and forming again. With news about the environment in the forefront, an understanding of how the natural world works is more important than ever, and this book is an ideal companion to any earth science curriculum. This journey to the center of Earth and back will have kids rocking and rolling in no time.

Related to gizmo rock cycle

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the

processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant

to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the

rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Interactive STEM Simulations & Virtual Labs | Gizmos Launching Fall 2025, Gizmos Investigations brings fully guided, hands-on science lessons for grades 6–8 that are built around real-world problems and elevate existing Gizmo simulations

Gizmo | The easiest way to learn Gizmo (formerly called Save All) uses AI to help you remember everything you learn. Input in what you are learning and our AI turns it into AI flashcards that you can quiz in a gamified way using

Gizmos | ExploreLearning Inquiry-based Exploration Gizmos uses a proven “structured inquiry” approach. In a typical activity, students perform specific actions and record the results. They then make predictions

FREE Gizmos - ExploreLearning Each Gizmo includes comprehensive teaching resources, such as customizable lesson materials and teacher guides, to facilitate seamless classroom integration. See How FREE Gizmos Work

Sign Up for Free | ExploreLearning Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Login | ExploreLearning Select a product to login. © 2025 ExploreLearning. All rights reserved. Gizmo, Gizmos, Reflex, Frax, and Science4Us

Search Results - ExploreLearning Gizmos Let’s find a Gizmo for you. Search through our collection of 450+ virtual STEM simulations

Flashcard maker - Gizmo Turn a PDF file, YouTube video, Quizlet set into Gizmo AI flashcards and start using spaced repetition and active recall to learn

What's a Gizmo? - ExploreLearning Gizmos Create and analyze paintings with different-sized

sections. Compare the sizes of unit fractions. Find creative ways to color one-half of a painting. This can be a nice introduction to adding

Popular Gizmos Collections - ExploreLearning Ready. Set. Gizmo! Create a free Gizmos trial account and get 30 days unlimited access to the entire Gizmos library

Rock Cycle Gizmo | ExploreLearning Gizmos Play the role of a piece of rock moving through the rock cycle. Select a starting location and follow many possible paths throughout the cycle. Learn how rocks are formed, weathered, eroded,

Rock Cycle Simulation | ExploreLearning Gizmos Explore the rock cycle with ExploreLearning Gizmos. Students follow a rock's journey from surface to crust, and learn about formation, erosion, and more

Earth Science Virtual Labs | ExploreLearning Gizmos Dive into this video from our professional development team to learn more about teaching with the Carbon Cycle Gizmo! Our Gizmos expert will show you how to use the Gizmo and other

Interactive STEM Simulations & Virtual Labs | Gizmos Sometimes I take a Gizmo that is meant to be an entire lab, and I cut it down into a smaller, briefer activity. But, other times, I combine some of the smaller labs into one and have the

Rock Classification Gizmo | ExploreLearning Gizmos Try to classify a dozen different rock samples based on their appearance. Common characteristics of each major rock type are described. Rocks also can be classified by where they formed

Weathering Simulation | ExploreLearning Gizmos Weathering is the breakdown of rock at Earth's surface through physical or chemical means. Students will learn about the different types of mechanical and chemical weathering, then use

Mineral Identification Virtual Lab | ExploreLearning Gizmos Cell Energy Cycle Explore the processes of photosynthesis and respiration that occur within plant and animal cells. The cyclical nature of the two processes can be constructed visually, and the

Mineral Identification Gizmo | ExploreLearning Gizmos If you are a current subscriber, please login. Access to ALL Gizmo lesson materials, including answer keys. A visitor has shared a Gizmo from ExploreLearning.com with you! As a guest,

FREE Gizmos - ExploreLearning Rock Art (Transformations) FREE with no time limit! Create your own rock art with ancient symbols. Each symbol can be translated, rotated, and reflected. After exploring each type of

Water Cycle Gizmo | ExploreLearning Gizmos Control the path of a drop of water as it travels through the water cycle. Many alternatives are presented at each stage. Determine how the water moves from one location to another, and

Related Articles

- basic excel test questions and answers
- chicago apartment lease 2022
- electrical machinery fundamentals

Back to Home