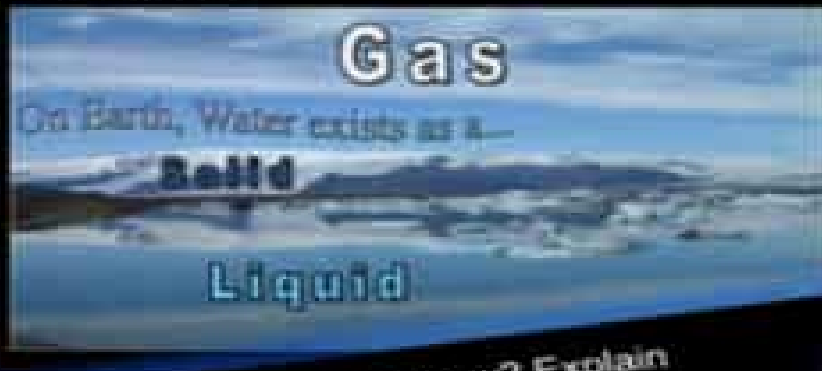


Water Cycle Lesson Bundle

Preview is a compressed file

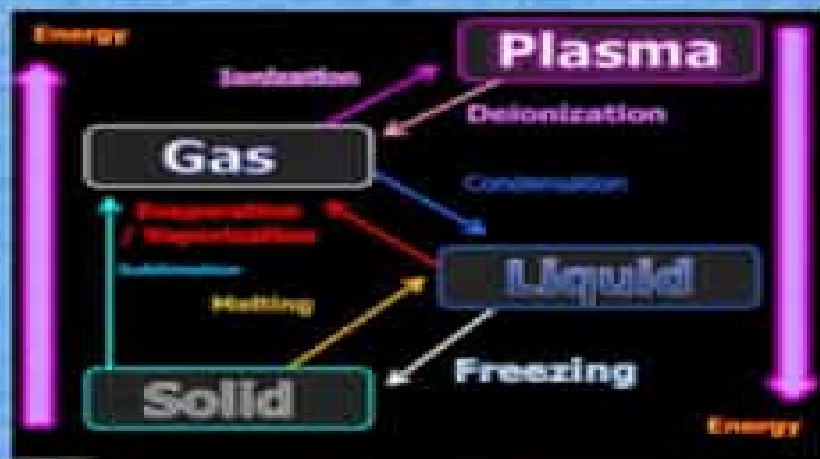
What is so special about the water in this photograph?



What do we already know? Explain yourselves with this template.



5 Lessons of 50 Minutes



- Activity! Condensation Questions.
 - Why did condensation droplets form on the cold soda can?
 - Where did the water come from?
 - Condensation formed on the cold soda can because water vapor near the soda can turned from a gas to a liquid.



- Activity! Water Cycle in a Bottle.

Slide bottle cut by teacher, then flipped, and then left to sit by student.

Next fill bottle with very warm water and food coloring.



Complete water cycle and record observations.

Strange kind of creepy video of water molecules in the hydrologic cycle as we wait (Optional 2 min)
<http://www.youtube.com/watch?v=5BuiH000TfE>

- Activity! State your Matter



- Activity! Transpiration.

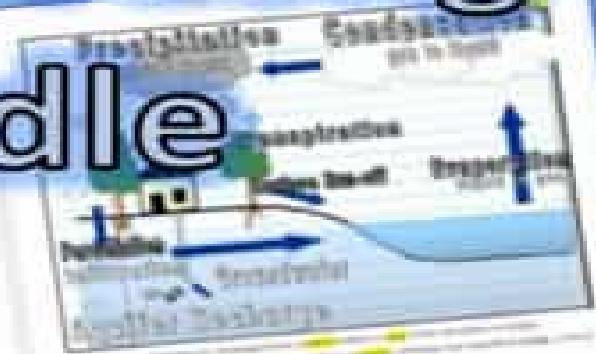
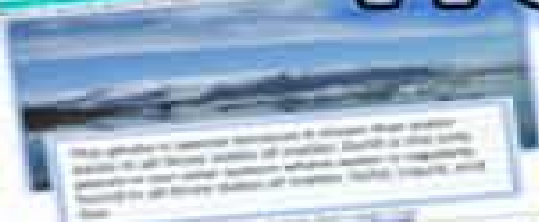
- Place a clear plastic bag over a section of plant.



Hundreds of Interactive Slides

9 Page Follow Along Work Bundle

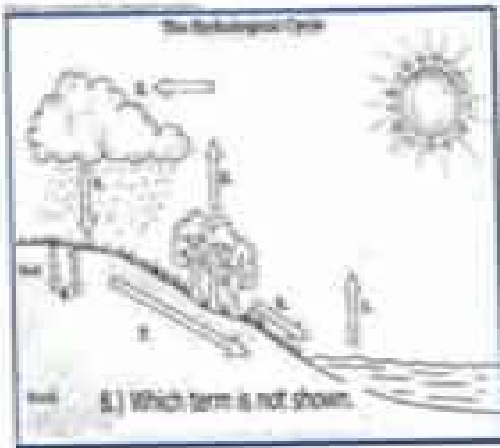
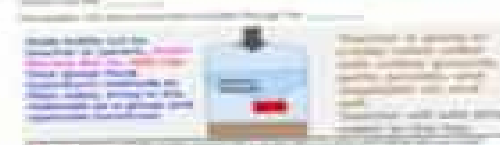
Water Cycle work Bundle



Water is a very important resource. It is essential for all life on Earth. Water is also a very important part of the environment. It is the main component of the atmosphere and the hydrosphere. Water is also a very important part of the geosphere. It is the main component of the lithosphere and the biosphere. Water is also a very important part of the atmosphere. It is the main component of the atmosphere and the hydrosphere. Water is also a very important part of the geosphere. It is the main component of the lithosphere and the biosphere.



Water is a very important resource. It is essential for all life on Earth. Water is also a very important part of the environment. It is the main component of the atmosphere and the hydrosphere. Water is also a very important part of the geosphere. It is the main component of the lithosphere and the biosphere. Water is also a very important part of the atmosphere. It is the main component of the atmosphere and the hydrosphere. Water is also a very important part of the geosphere. It is the main component of the lithosphere and the biosphere.



8.) Which term is not shown.

Hands-On Activities

This is when a gas becomes a liquid?

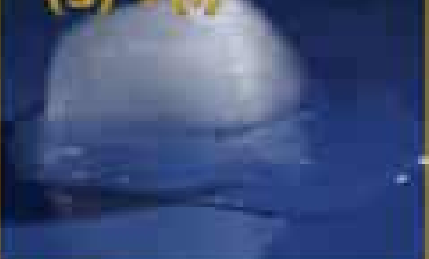
Condensation
(g) → (l)



This is when a solid becomes a liquid?

Melting
(s) → (l)

4

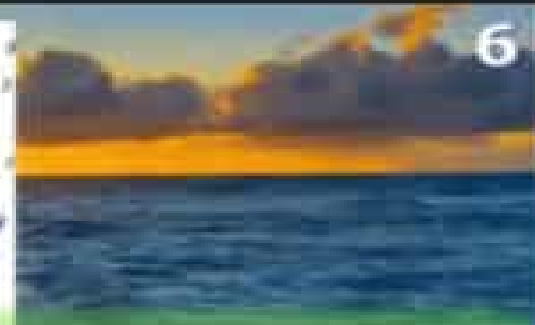


- The Water Cycle is driven by the  and gravity?

Gravity



6



- Which place where water is stored on earth is missing?

- A.) Oceans (97%)
- B.) Ice / snow
- C.) Surface water
- D.) Groundwater
- E.) Soil and Organisms
- F.) Atmosphere

14



- This is the slow movement of water through the soil. Cleans and purifies.

Percolation

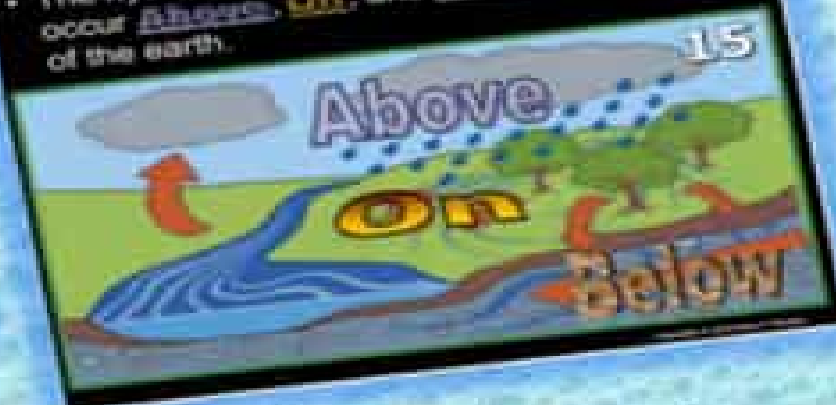
10



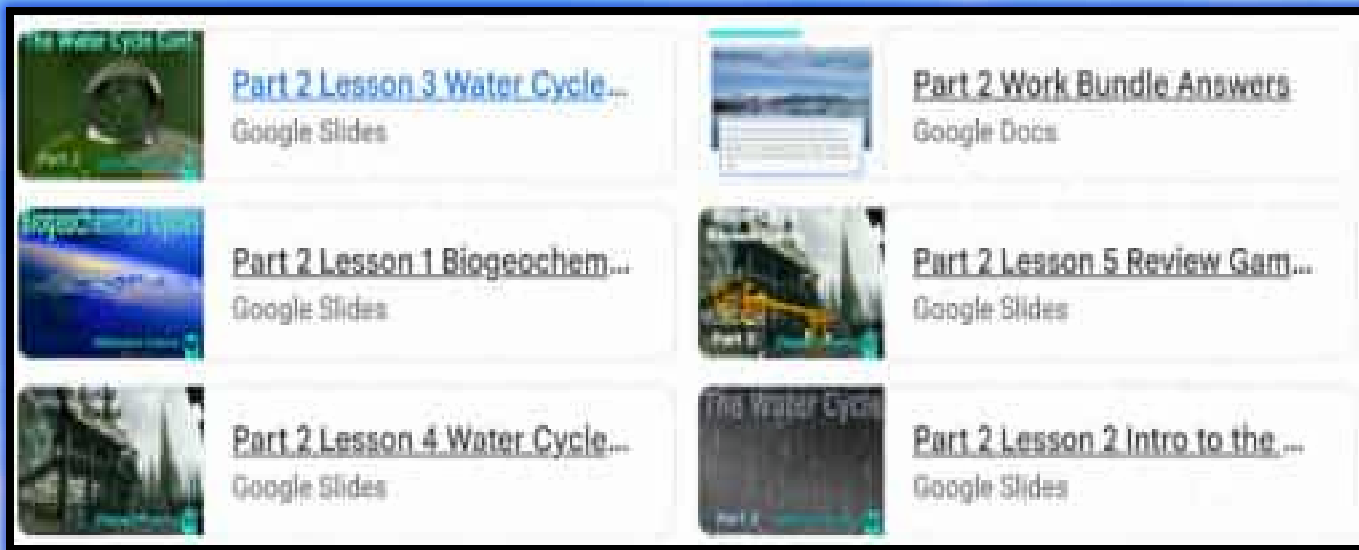
20 Question Review Game

- The hydrologic cycle (Water Cycle): Can occur Above, On, and Below the surface of the earth.

15

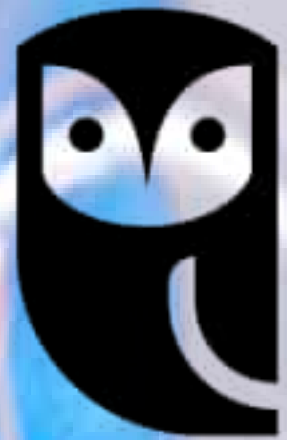


Part of Biogeochemical Cycles: 16 Lesson of 50 Minutes and 24 Page work Bundle, Biogeochemical Cycles, Earth's Spheres, Water's States of Matter on Earth, Hydrologic Cycle, Kinetic Molecule Theory, Movement of Atoms in various States of Matter, Solids, Liquids, Gases, State of Matter Diagram, Diagram of the Water Cycle, Evaporation, Condensation Precipitation, Water Cycle in a Bottle Activity, Building a Solar Still Activity, Sublimation, Transpiration, Transpiration Activity, Surface Run-off, Percolation, Percolation in a Bottle Activity, Groundwater Discharge and Storage, Water Cycle Quiz, Box Games, Crossword, Assessment,



SlideSpark Science

MIDDLE-LEVEL EDUCATIONAL RESOURCES



Interactive slideshows provide the roadmap for an amazing learning experience for students in grades 5-9. A Detailed set of work bundles chronologically follow the digital learning, providing a clear and intuitive roadmap to understanding. As the teacher or student advances through a slideshow, exciting hands-on activities, fantastic visuals, fill-in notes, review opportunities, video links, assessments, and much more are strategically placed throughout. Interactive learning unfolds step by step and supported by the work bundle to reach all types of learners. Everything you need to run to an amazing learning experience is provided in this one-of-a-kind science curriculum.

Each unit in the curriculum is designed to help teachers deliver the best possible learning experience for their students. Our interactive science slideshows are filled with questions and answers, important fill-in notes, hands-on activities, projects, games, built-in quizzes, and end of the unit assessment pieces. Students follow along with a work bundle that documents the entire learning experience for a fantastic review and assessment piece.

• What's so special about the water in this photograph?

On Earth, Water exists as a...

Gas

SOLID

Liquid

The **soda can** was cold which caused the surrounding water molecules in the air to slow down and condense on the side of the can.

Why did condensation droplets form on the cold soda can?
Where did the water come from?

Gas - Liquid

• Transpiration – Water released by plants into air.
• Non-living to the living, and back again.

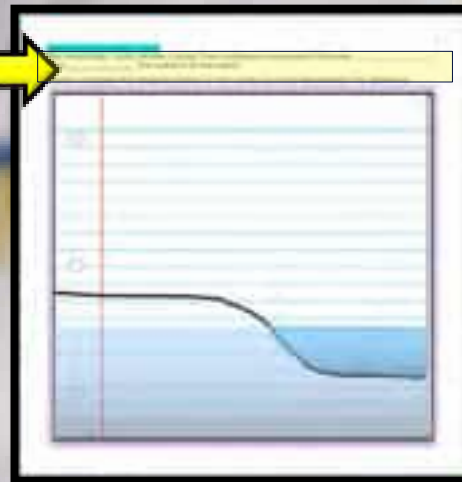
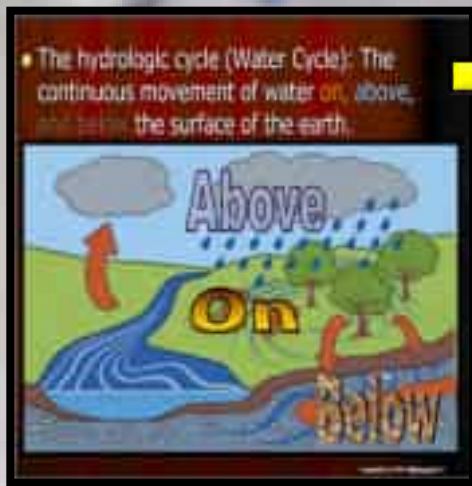
Precipitation

Transpiration

Driven by the Sun

Water and energy cycle through the living and our living world. Organisms rely on this matter and energy cycling to survive.

Evaporation



Red Slide Notes: Help students record important information in a fun and easy-to-understand way. Designed red-colored slides contain a few pieces of crucial information that students must record into their work bundle to complete the notes. Students will use these important notes throughout the work bundle.

The set-up of the slideshows are designed to make learning fun and interactive for students. With a mix of questions and answers, teachers can use these slides to get their students thinking and actively participating in their education. Plus, the answers are always revealed on the next slide, providing students with immediate feedback and helping teachers assess their understanding.



Next Slide



slideshow supports
Work Bundle

Lesson Planning

Daily lessons space exciting hands-on activities, red slide notes, video and academic links, projects, simulations, readings, built-in quizzes, and review opportunities throughout the slideshows. A typical day may have many different learning styles being targeted. Daily lesson planning becomes advancing through the slideshow roadmap the night before. Each lesson is roughly 50 minutes, but sometimes things can speed up or slow down. The best strategy is just to go at your classes own pace. The work bundle chronologically follows the interactive slideshow and you can always spend extra time assessing the quality of the writing within. If you don't quite finish a lesson, you can always pick it up the next day where you left off. The only real trick in timing is not starting a larger activity if you don't have the available time to complete. The slideshows have been designed to be a low stress, go at your classes own pace experience. Most activities are designed to be cost effective, using general materials that can be gathered from your local stores.



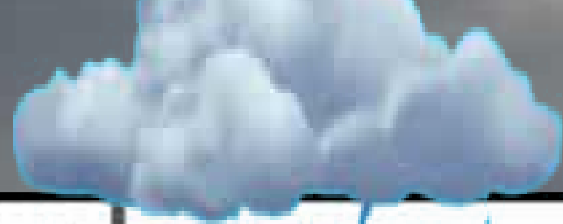
Lessons chronologically follow a single work bundle

Follow Along Work Bundle

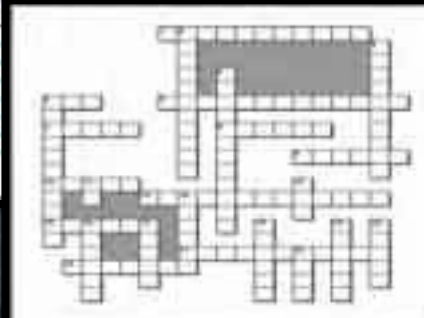
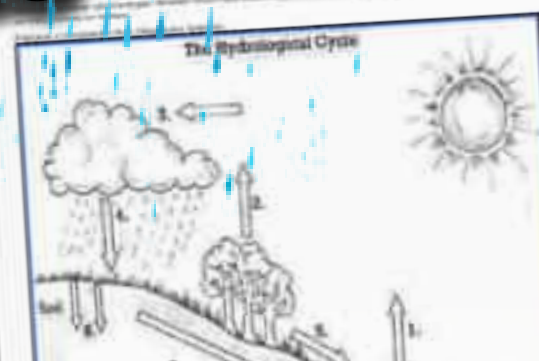
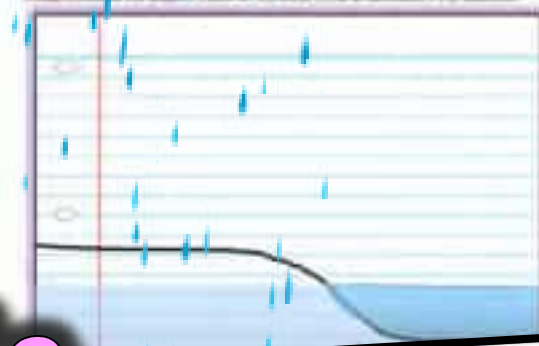
Each science unit includes a single printable work bundle that stays with students from start to finish. Just print and distribute on day one—no daily handouts needed. The bundle follows the unit chronologically and includes everything: fill-in notes, diagrams, quizzes, lab activities, with follow up questions and much more. It's used daily, supports the end-of-unit quiz game, and is handed in for an additional assessment. Answer keys, some writable .pdf versions, and digital versions are also included for flexible classroom use..



Water Cycle



Work Bundle



Water is essential for life. It is the most abundant molecule on Earth. Water is a liquid at room temperature. It is a colorless, odorless, and tasteless substance. Water is a polar molecule. It has a high specific heat capacity. It has a high surface tension. It has a high boiling point. It has a high melting point. It has a high density. It has a high viscosity. It has a high refractive index. It has a high dielectric constant. It has a high thermal conductivity. It has a high electrical conductivity. It has a high magnetic permeability. It has a high magnetic susceptibility. It has a high magnetic moment. It has a high magnetic field. It has a high magnetic flux. It has a high magnetic field strength. It has a high magnetic field intensity. It has a high magnetic field density. It has a high magnetic field energy. It has a high magnetic field power. It has a high magnetic field flux. It has a high magnetic field strength. It has a high magnetic field intensity. It has a high magnetic field density. It has a high magnetic field energy. It has a high magnetic field power. It has a high magnetic field flux.

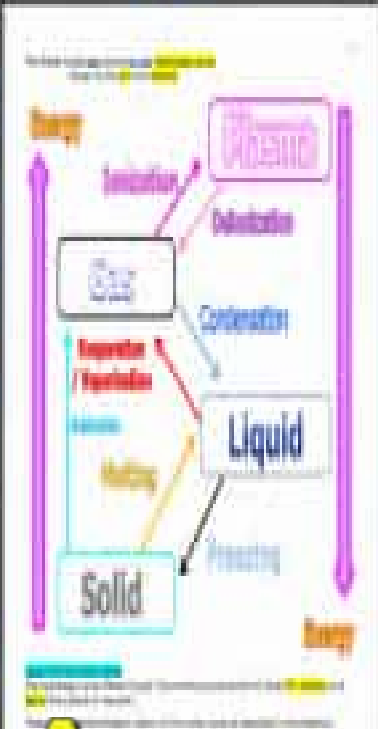
Water Cycle	Evaporation	Condensation	Precipitation	Runoff
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Unit 1: Reproduction Cycle

The diagram shows the life cycle of a plant. It starts with a seed, which grows into a seedling, then a young plant, and finally a mature plant. The mature plant produces seeds, which are dispersed by wind or water. The cycle then repeats.

Plant Life Cycle

1. Seed
2. Germination
3. Seedling
4. Young plant
5. Mature plant
6. Seed dispersal

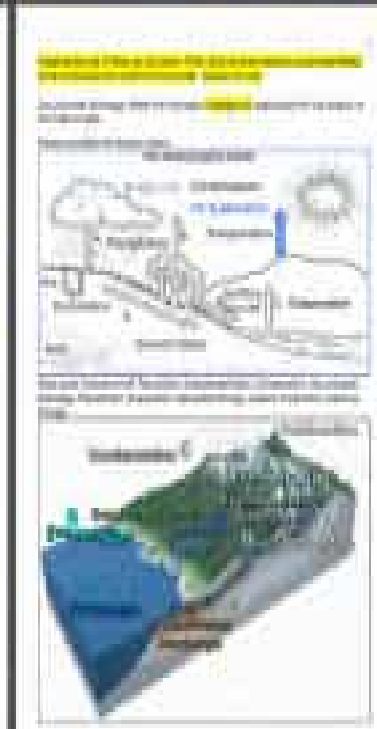


Water Cycle Quiz

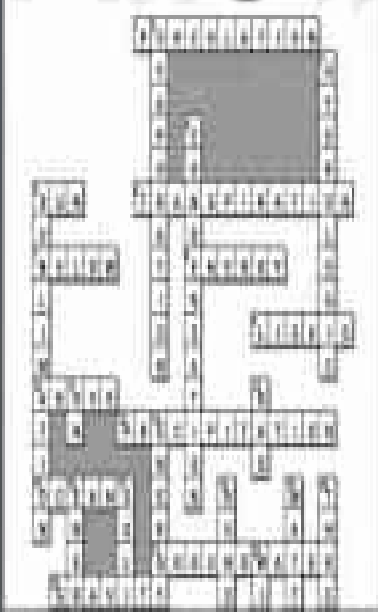
1. What is the process of water turning into vapor and rising into the atmosphere?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff

2. What is the process of water falling from the clouds as rain or snow?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff

3. What is the process of water flowing over the land and into the ocean?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff



Answer Version



Water Cycle Quiz

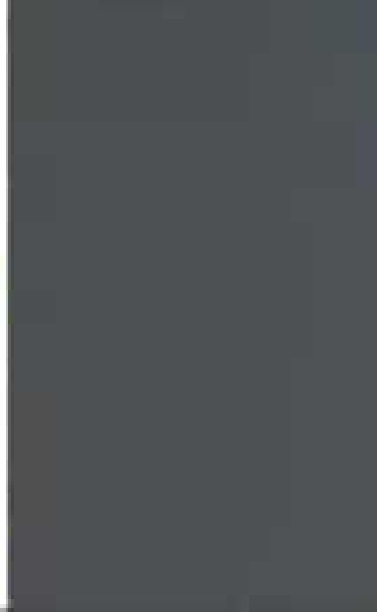
1. What is the process of water turning into vapor and rising into the atmosphere?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff

2. What is the process of water falling from the clouds as rain or snow?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff

3. What is the process of water flowing over the land and into the ocean?
 a. Evaporation
 b. Condensation
 c. Precipitation
 d. Runoff

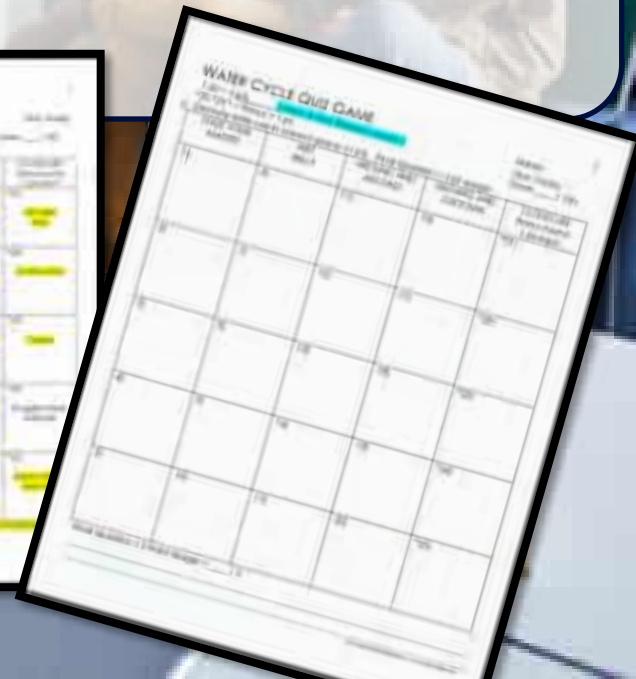
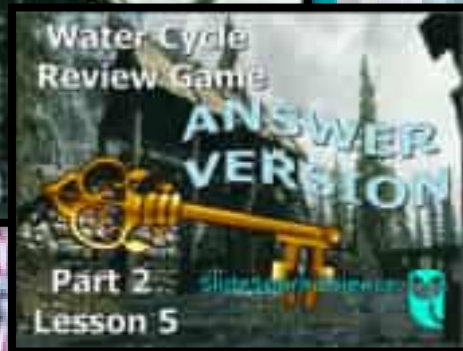
Water Cycle Quiz

Question	Answer
1. What is the process of water turning into vapor and rising into the atmosphere?	Evaporation
2. What is the process of water falling from the clouds as rain or snow?	Precipitation
3. What is the process of water flowing over the land and into the ocean?	Runoff



Review Games / Assessments

This unit includes two review quizzes. Answers are provided in slideshow form so students can self assess. A blank template sheet is provided in the work bundle. Students can benefit from working together in small table groups with quiet communication. You can decide if you want to allow the use of work bundles or not. These are a nice review opportunity and get the students looking through their work bundles for the answers.



Water Cycle Quiz Game

This is when a gas becomes a liquid?



This is when a solid becomes a liquid?

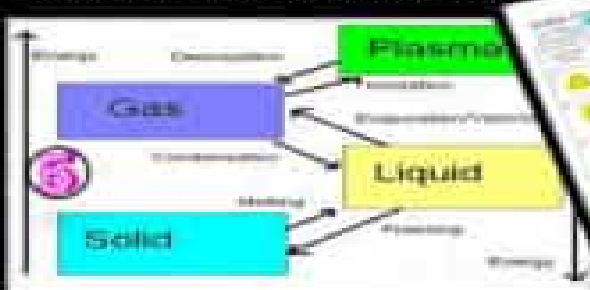
Melting
(s) → (l)



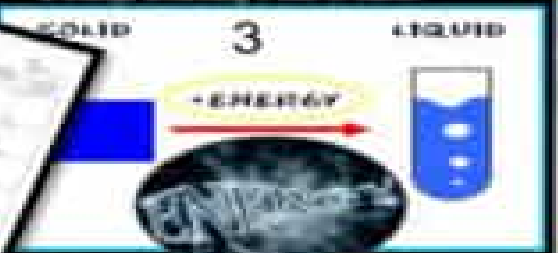
• Earth is known as the **Blue Planet** as it has a thin blue glass like space.
• The blue is from all of the water we have around.

1

• What are the names of the terms below?



• This needs to be added or taken away in order to change something's state of matter.



• Which is a solid, liquid, and gas?



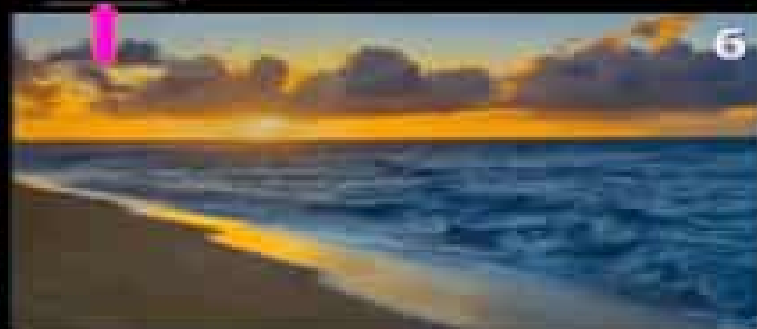
Solid Liquid Gas



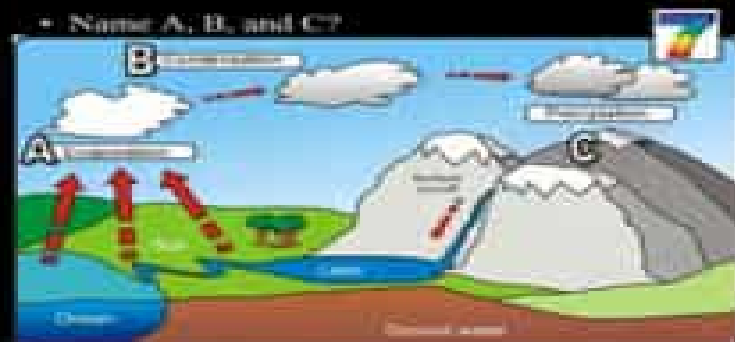
- This is when the solid state turns directly to a gas state skipping liquid phase.



- The Water Cycle is driven by the sun and



- Name A, B, and C?



20 Questions



- Which place where water is stored on earth is missing?

A.) Oceans (97%)
 B.) Ice / snow
 C.) Surface water
 D.) Groundwater
 E.) Soil and Organisms
 F.) Atmosphere



14

- What is this?



13

- Water released into air from plants is called.



11

Transpiration

- This is an example of...



12

Surface Run-Off

- This is the slow movement of water through the soil. Cleans and purifies.



10

Percolation

- Many people rely on this depleting resource for their homes and crops?



16

- Name some **solid** forms of precipitation?



Most common...
Snow, Hail, Ice Pellets

19

- Which is a place where energy is removed?



18

- A healthy 100-lb (45-kg) man has about 200,000 hairs.
- A hair that is 1/2 inch long...
- 11,000 hairs...

- 4,000 hairs...
- 2,000 hairs...
- 1,000 hairs...
- 500 hairs...

- 250 hairs...
- 125 hairs...
- 62 hairs...
- 31 hairs...

EXTENDING



17

- This is driven by the uneven heating and cooling on planet earth (from the sun) and moves moisture around the planet?



20

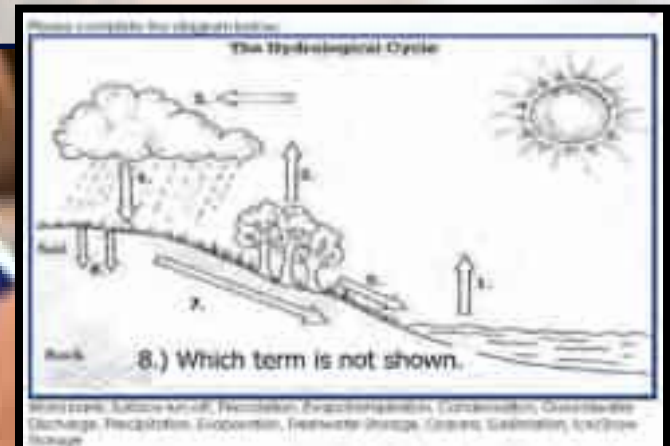
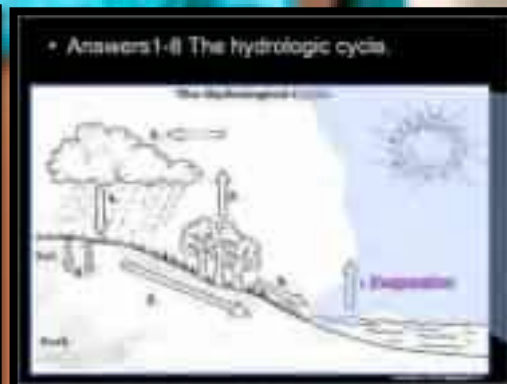
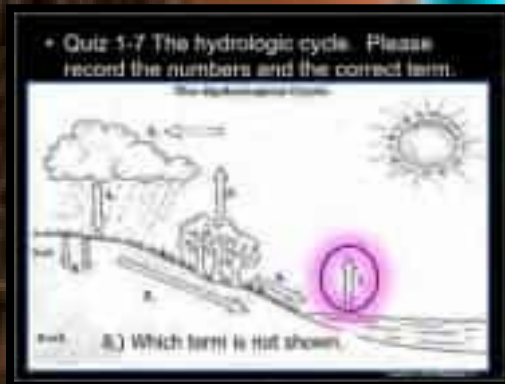
- The hydrologic cycle (Water Cycle): Can occur Above, On, and Below the surface of the earth.



15

Built-in Assessment

Each unit contains several built-in assessment questions that students answer in their work bundle. With the question revealed before the answer, the teacher can easily call on individual students or table groups to respond. These provide an effective and efficient way for teachers to assess student learning.



Questions in Work Bundle

Built-in Video Links

Our science education program is designed with the modern, multimedia learner in mind, and our video links are a perfect complement to our educational materials. These short clips are embedded into the slideshow at just the right places for a fantastic review. Whether you're studying biology, chemistry or physics, our video links are an excellent way to reinforce your learning.

- Video! Simulation of water in a liquid form turning into a solid (ice).

— How are the molecules behaving in a liquid state and solid state?
— <http://www.youtube.com/watch?v=SvR7fWl>

- Video Link! (Optional) Things States of Matter

— <http://www.youtube.com/watch?v=UdMl-8000>



- Video Link! Water Cycle

— <https://open.nesd.gov/education/videos/tour-water-cycle>



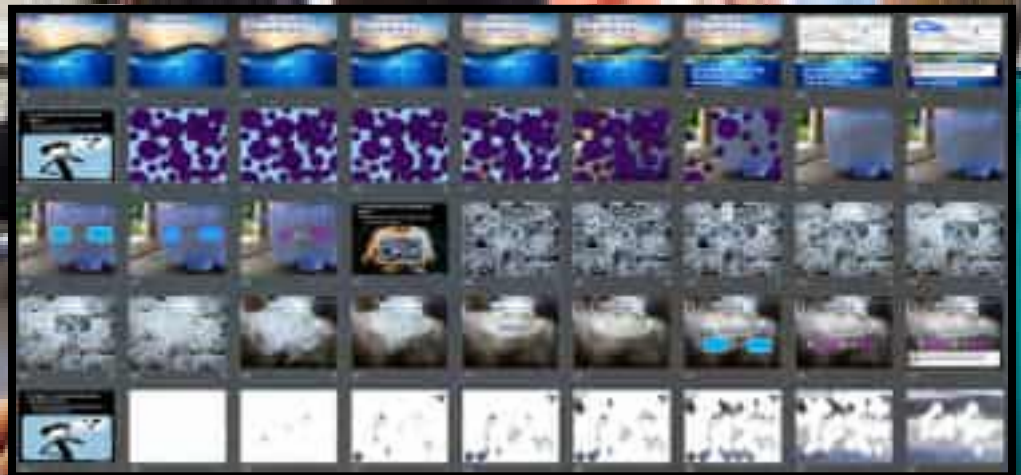
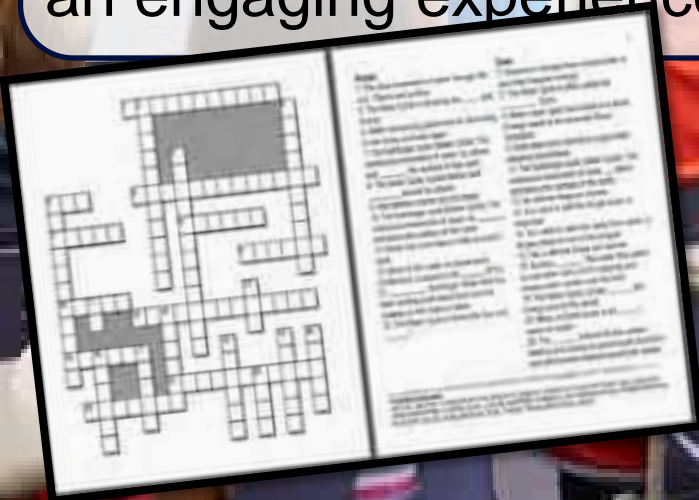
- Water Cycle Song

— <https://www.youtube.com/watch?v=K3L59yA48tE>



Games and Review

Games are a fantastic way for students to learn scientific concepts while having fun. We incorporate a variety of games into our curriculum, including interactive quizzes and puzzles that challenge students to think critically about the material. Our Hidden Box Games are a particularly popular feature, which conclude each unit by revealing a picture related to the topic. Students try to guess what the picture might be, making learning an engaging experience.











The Owl - Each Part of the slideshow has a small clipart Owl hiding somewhere in a slide. The owl is incredibly small and blended into just the right slide. If a student spots the "Owl" they can raise their hand high into the air. When you call upon the student they can say "Owl" and be the student who spotted the Owl. Each PowerPoint Review game also has an owl hiding in it worth one point. Remind the students that they secretly write the word "owl" rather than yell it out during the review games. The Owl search is not included in every lesson. A slide at the beginning of the lesson will alert the students that today is an "Owl" day. Everything arrives editable so delete if you wish. You will find that some students will become the expert owl hunters in the group.

Google Classroom Compatible








Our digital learning programs are designed for students to learn science in a flexible and engaging environment. Our Google Classroom-compatible units provide a seamless learning experience whether your students are in the classroom or learning from home. Our step-by-step slideshows and student work bundles ensure that students can complete their work independently. The PowerPoint Slideshows and step-by-step work bundles can easily be loaded to your Google Drive and posted in your Google Classroom. These are great for daily lessons, students who need additional time, and for a student who was absent and looking to catch up in their work bundle.

	Part 2 Lesson 3 Water Cycle... Google Slides		Part 2 Work Bundle Answers Google Docs
	Part 2 Lesson 1 Biogeochem... Google Slides		Part 2 Lesson 5 Review Gam... Google Slides
	Part 2 Lesson 4 Water Cycle... Google Slides		Part 2 Lesson 2 Intro to the... Google Slides











Curriculum Guide

Number of Lessons in each unit (50 min, daily lessons) and difficult rating scale / intended grade level.





 =Easier,  = More difficult,  =Most difficult

Earth Science Units	Daily Lessons	Intended Grade	
Geology Topics Unit	60 Lessons	6-8 medium difficulty	
Weather and Climate Unit	40 Lessons	6-8 medium difficulty	
Astronomy Unit	60 Lessons	6-8 medium difficulty	
Weathering, Soil Sciences	28 Lessons	5-7 easier	
Rivers and Water Quality	25 Lessons	5-7 easier	
Water Molecule Unit	20 Lessons	5-7 easier	
Biogeochemical Cycles Unit	16 Lessons	5-7 easier	

Life Science Units

Life Science Units	Daily Lessons	Intended Grade	
Ecology Feeding Levels Unit	13 Lessons	5-6 easier	 EASIEST
Ecology Interactions Unit	30 Lessons	5-6 easier	 EASIEST
Ecology Abiotic Factors Unit	13 Lessons	5-6 easier	 EASIEST
Botany Unit	50 Lessons	5-7 easier	 EASIEST
Evolution and Natural Selection	40 Lessons	5-7 easier	 EASIEST
Taxonomy and Classification	50 Lessons	6-8 medium difficulty	
Infectious Diseases Unit	30 Lessons	7-9 more difficult	
DNA and Genetics Unit	42 Lessons	8-10 most difficult	 Most Difficult
Human Body Systems Unit	85 Lessons	6-8 medium difficulty	
Cell Biology Unit	30 Lessons	8-10 most difficult	 Most Difficult

Physical Science

	Daily Lessons	Intended Grade	
Laws of Motion and Machines Unit	33 Lessons	8-10 most difficult	
Matter Energy and the Environment	58 Lessons	7-10 medium difficulty	
Atoms and Periodic Table Unit	44 Lessons	8-10 most difficult	
Science Skills Unit	30 Lessons	5-7 medium difficulty	

[Physical Science Curriculum](#)

Dear Valued Educator,

Our fully editable .pptx and .doc resources are perfect for educators looking to bring enthusiasm and creativity to their lessons. We encourage you to make changes to fit your needs and style. As science educators, we're committed to providing students with the tools they need to succeed in the classroom and beyond. Each unit in the curriculum includes a range of resources that have been developed through extensive research and use in a busy classroom. Our teaching approach is designed to make science education engaging and exciting for learners of all ages. We offer a one-of-a-kind science curriculum that will challenge, inspire, and educate students to become tomorrow's scientists and leaders. Join us today and learn more about how our program can help you achieve your classroom goals.

With appreciation,

Support@SlideSpark.net



Thank you for your time and interest in our Science curriculum. We strive to provide students with engaging and informative lessons that will spark their curiosity and encourage scientific exploration. Should you have any questions or concerns, please do not hesitate to contact us. Thank you again for considering our curriculum, and we wish you all the best in your educational journey.

Sincerely,

Support@slidespark.net



SlideSpark Science

MIDDLE-LEVEL
EDUCATIONAL RESOURCES



[SlideSpark Science](#)

[Entire Curriculum](#)