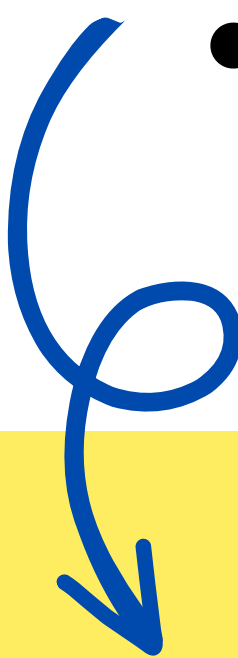


Complete Water Cycle Bundle

- **Lesson**
- **Worksheets**
- **Activities**
- **Case Studies**



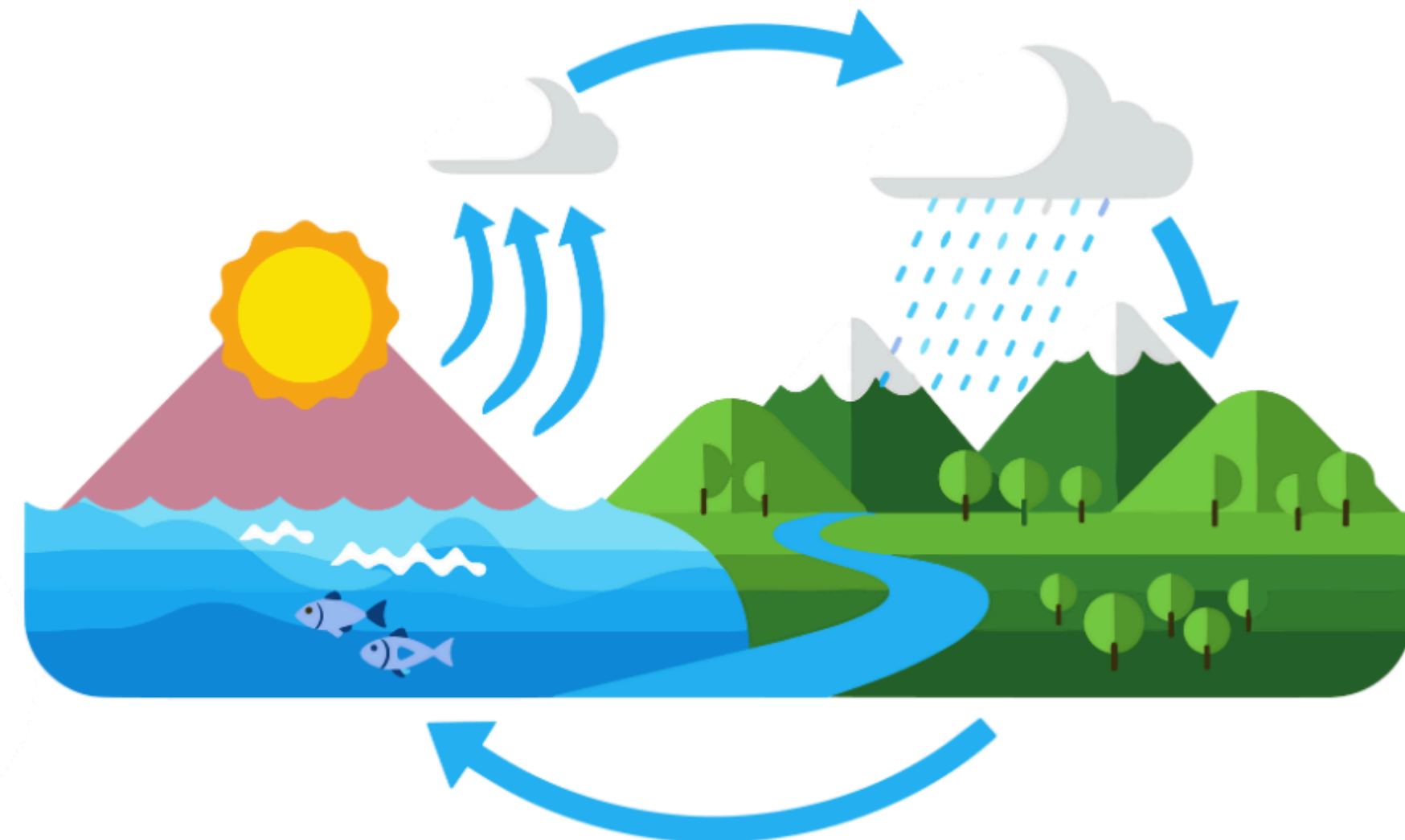
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to take a look inside!

The Water Cycle Lesson, Worksheet, & Activities Bundle

- Grade 6-9+
- Interactive Lesson

- Worksheets
- Activities
- Case Study Readings



1 Fully Editable & Engaging Lesson and Worksheets

Videos embedded directly in your lesson

Word Search & Scramble Activity

Exit Ticket

Student Notes

Student & Teacher Versions

The Water Cycle Word Search – Locate the terms below on yo

N M G H R R C I V Z T C A E V A
S W M B U O C E A N S R P E R C
P H U H N X E Z G U B J A F C I
H E J L O P E D Y U T X P N P O
J O P B F C U V J R L W K G S E
K J F E F I Y W I U A T M O S P
F K Z A N Z J O A W H H N D L W
O L Z D B S I L R T C Y P O C H
G Y R C D Z T P B V E D D C O L
M G S E O Y D P F H M R N R W Q
E V A P O R A T I O N O V U O Y
P I N K C J W X Q M S L V A Z S
K R N P S N Q A H H O O Z G P T
V X E F O R D D T S G G N P R O
F R L C I U O H P E F I W V C O
B R Y M I L Y O Y S R C D A E C
W B M C F P T B X O F C X O T S
C L O U D S I R Q V X Y Y F E
I O C R H Z O T A R U C B C C A
X S D K A B S A A T K L W I L G
L V J X I T G H P T I E L C Q E
J O Y A L I A R L H I O C P B M
O C P Z W K W F X J D O N C F C
Y G C O O G A Q Q X W O N W A T
I Q J Y H O E H Y B W U P D X D

HYDROLOGIC CYCLE PR
TRANSPIRATION CONDENSATION EV
PERCOLATION GROUNDWATER HY
WATER TABLE ATMOSPHERE W
EVAPORATE WATER VAPOR RL
CLOUDS OCEANS LA
INFILTRATION WATER CYCLE SN
GLACIERS CONDENSE

The Water Cycle Word Scramble – Unscramble each term then write the definition.
Scrambled Term Term Definition – Define each of the terms

ETARW CYELC		
OTUNNAIPOER		
ONESATIONOC		
PTICERAROTN		
TPHOIRSTNANA		
LTNOFIATNI		
RONUDOWATES		
FNORFU		
DNREHTSME		
LCDOGU		
RIAN		
WONS		
IAH		
GOF		
POCLANEITER		
ETARW ABTEL		
KASEL		
NOEACS		
RICEALGS		
ERTWA VORAR		
SEPHREATHM		
ESPYROCHHER		
ODSECKNN		
TPREVOGAE		
OCYLOGOH LECY		



The Water Cycle – Student Lesson Outline

Water Cycle

- This happens through the water cycle - the movement of water molecules through the environment
- The water on Earth today is the same that was present 5 billion years ago and the same that the dinosaurs drank 65 million years ago

Phases of Water

Phases of Water – include the diagram in your notes

The Water (Hydrologic) Cycle

- Liquid water evaporates, forming water vapour that moves through the atmosphere
- The vapour condenses, forming liquid water and ice which falls to Earth

The Water Cycle - Evaporation

Evaporation is when sunlight heats the water in ocean, rivers, lakes or even your swimming pool, and turns it from a liquid state to a gaseous state called water vapor.

The Water Cycle - Condensation

Condensation is when water vapor in the air rises, gets cold and turns into a liquid! This water vapor can condense into clouds! Energy is taken away.

The Water Cycle - Precipitation

- Precipitation happens when the clouds get so heavy because so much water has condensed, that the water falls to Earth due to gravity

The Water Cycle - Infiltration

Infiltration is when water soaks into the ground and all the way down through the soil and rock to reach the groundwater.

The Water Cycle - Runoff

Also known as accumulation.

The Water Cycle - Transpiration

- Fallen water moves around Earth's surface as lakes, rivers and oceans



Water Cycle - Exit Ticket

* Indicates required question

Water Cycle - Exit Ticket

_____ is when water vapor in the air rises, gets cold and turns into a liquid! This water vapor can condense into clouds! * 1 point

☐ Evaporation

☐ Condensation

☐ Precipitation

☐ Infiltration

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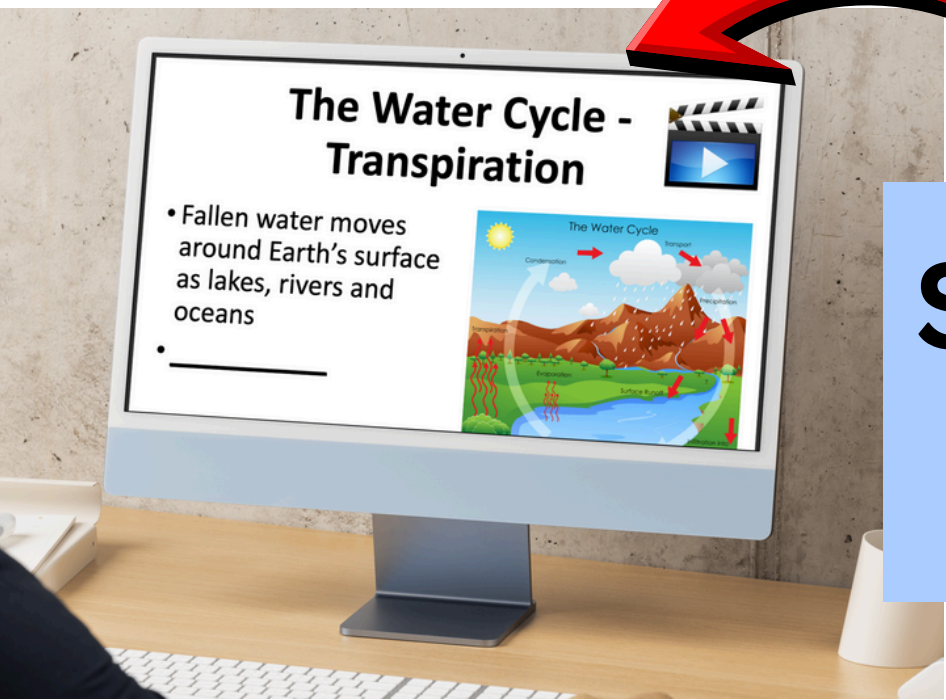
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Engaging Activities & Worksheets



The Water Cycle Reading Comprehension



The Water Cycle Word Search Activity and Word Scramble Activity



The Water Cycle Diagram Activity



Evaporation Race - A Water Cycle Lab



Mini Water Cycle Lab

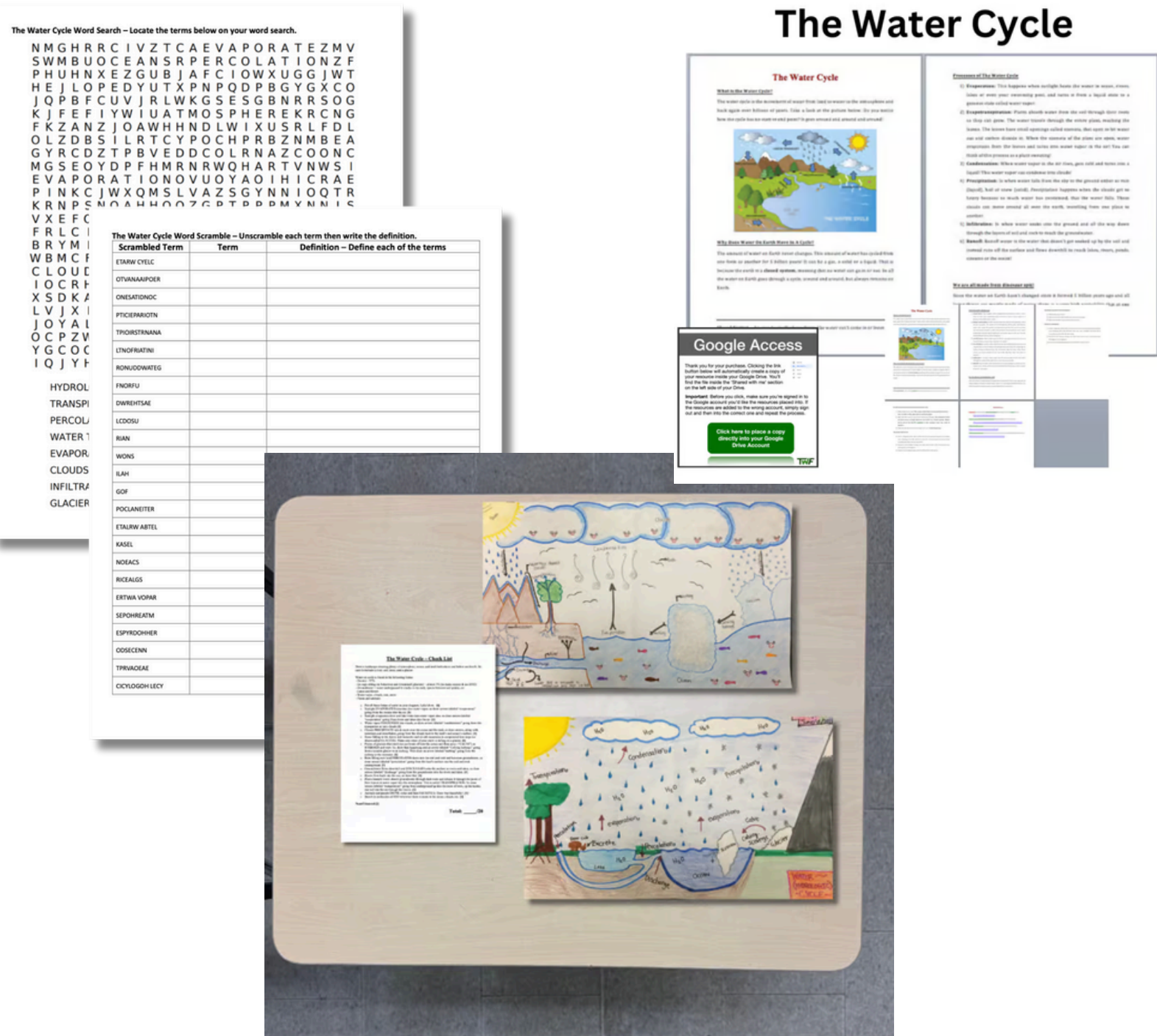


Salt & Evaporation: Mass, Volume, & Salinity Changes - A Water Cycle Lab



Water Cycle Case Studies

- Why Does Rainfall Change Near Mountains?
- What Happens to Water During a Drought?
- How Do Cities Change the Water Cycle?



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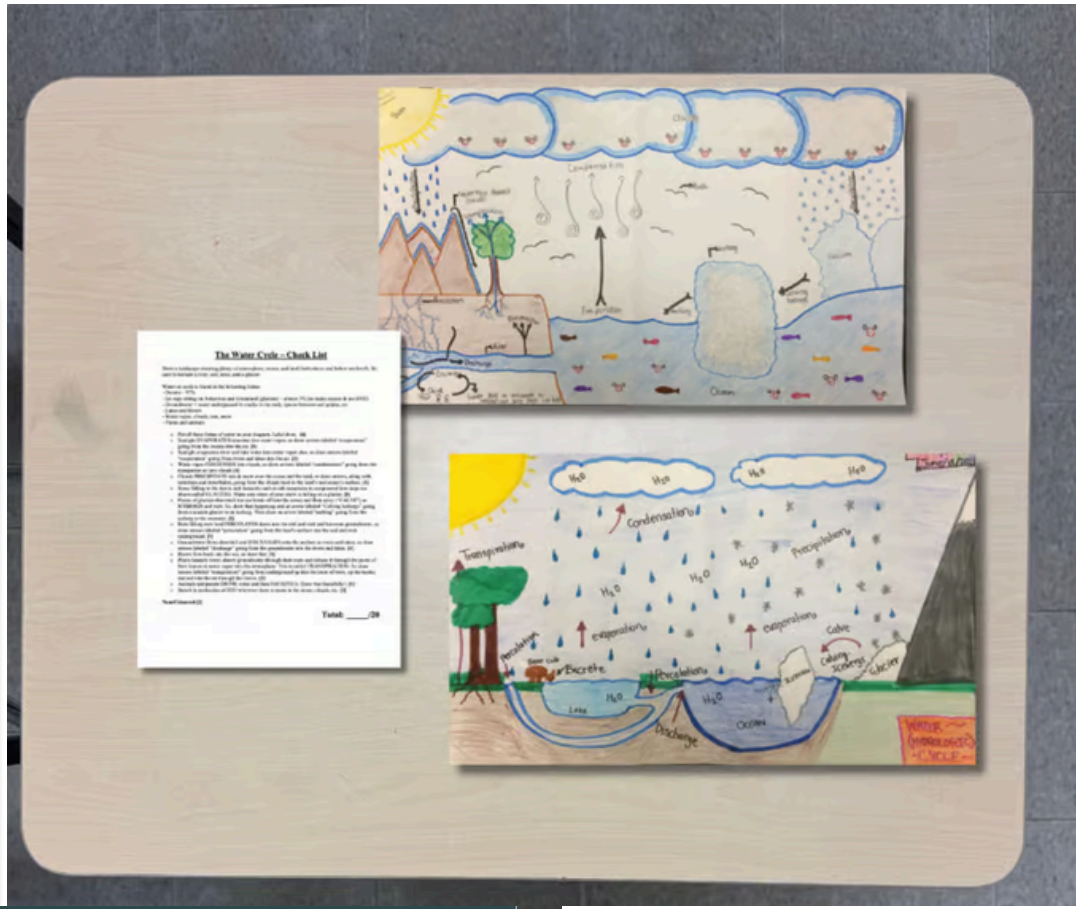
The Water Cycle Word Search – Locate the terms below on your word search.

N M G H R R C I V Z T C A E V A P O R A T E Z M V
S W M B U O C E A N S R P E R C O L A T I O N Z F
P H U H N X E Z G U B J A F C I O W X U G G J W T
H E J L O P E D Y U T X P N P Q D P B G Y G X C O
J Q P B F C U V J R L W K G S E S G B N R R S O G
K J F E F I Y W I U A T M O S P H E R E K R C N G
F K Z A N Z I O A W H H N D L W I K U S R L F D L
O L Z D B S I L R T C Y P O C H P R B Z N M B E A
G Y R C D Z T P B V E D D C O L R N A Z C O O N C
M G S E O Y D P F H M R N R W Q H A R T V N W S I
E V A P O R A T I O N O V U O Y A O I H I C R A E
P I N K C J W X Q M S L V A Z S G Y N N I O Q T R
K R N P S J A A U A A A T C D T D D D M V M N I C
V X E F C
F R L C I
B R Y M I
W B M C F
C L O U D
I O C R H
X S D K A
L V J X I
J O Y A L
O C P Z W
Y G C O C
I Q J J Y H

HYDROLOGIC
HYDRO
TRANSP
PERCOL
WATER
EVAPOR
CLOUDS
INFILTR
GLACIER

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LTNOFBATNI		
NOUJOWAREG		
FNORFU		
DWRENTSAE		
LCZOSU		
RIAN		
WONS		
ILAH		
GOI		
POCLANETER		
ETALRW ABTEL		
KASLE		
NOASCS		
NECASSG		
ERTWU VORW		
SEPHOEATM		
ESPWOCHER		
ODSECEEN		
TPRACDAE		
CYUODGILEY		



Water Cycle - Exit Ticket

* Indicates required question

Water Cycle - Exit Ticket

_____ is when water vapor in the air rises, gets cold and turns into a liquid! This water vapor can condense into clouds! * 1 point

☐ Evaporation

☐ Condensation

☐ Precipitation

☐ Infiltration

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The Water Cycle - Transpiration

Fallen water moves around Earth's surface as lakes, rivers and oceans

Case Study

Why Does Rainfall Change Near Mountains

Build your students' scientific literacy, apply science to real-world issues, and stay prepared with a no-prep reading.

✓ Tackle literacy and science by having your students read and answer questions from a scientific case study.

✓ No prep, no formatting, no issues. Simply download, print (or upload to your class site) and you're all set.

Reading & Questions

Case Study: Why Does Rainfall Change Near Mountains?

Read Study Questions 101

Answer Key

Fully Print and Digital READY

The Water Cycle

What is the Water Cycle?

The water cycle is the movement of water that links to water in the atmosphere and back again over billions of years. Take a look at the picture below. Do you notice how the cycle has no start or end point? It goes around and around and around!

Why Does Water on Earth Move as It Cycles?

The amount of water on Earth never changes. The amount of water has cycled from one form or position for 4 billion years! It can be a gas, a solid or a liquid. That is because the earth is a closed system, meaning that no water can go in or out. So all the water on Earth goes through a cycle, around and around, for billions of years.

Processes of the Water Cycle

- Evaporation:** This happens when sunlight heats the water in seas, rivers, lakes or even your swimming pool, and turns it into a liquid state in a gaseous state called water vapor.
- Evapotranspiration:** Plants absorb water from the soil through their roots so they can grow. The water travels through the entire plant, reaching the leaves. The leaves have small openings called stomata, that open so let water out and carbon dioxide in. When the stomata of the plant are open, water evaporates from the leaves and turns into water vapor in the air! This can reach within process as plant transpiration!
- Condensation:** When water vapor in the air rises, gets cold and turns into a liquid! This water vapor can condense into clouds.
- Precipitation:** In where water falls from the sky to the ground either as rain, drizzle, hail or snow (solid). Precipitation happens when the clouds get so heavy because so much water has condensed, that the water falls. These clouds can move around all over the earth, sometimes from one place to another.
- Infiltration:** In where water soaks into the ground and all the way down through the bottom of soil and rock to reach the groundwater.
- Runoff:** Runoff occurs in the water that doesn't get soaked up by the soil and (runoff) runs off the surface and flows downhill to reach lakes, rivers, ponds, oceans or the ocean!

We are all made from this water!

Since the water on Earth hasn't changed since 4 billion years ago and all the water on Earth goes through a cycle, around and around, for billions of years.

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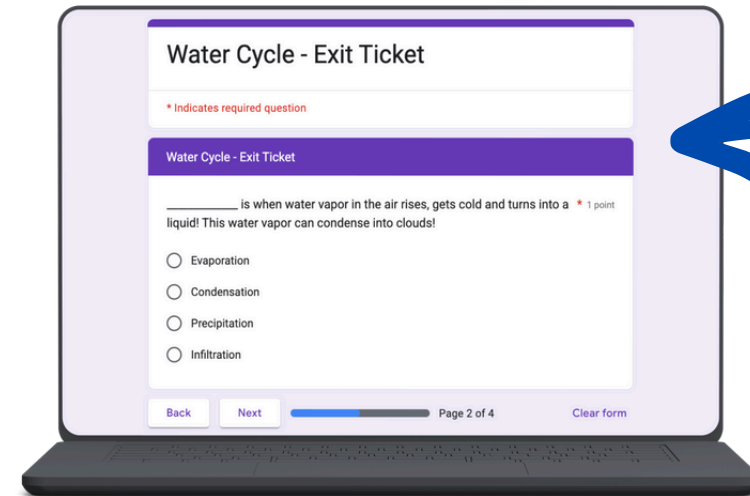
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Interactive Activities

