

Natural Disasters

Earthauakes

As mentioned above, things begin to shake uncontrollably when an earthquake happens. Some earthquakes are minor, sim others are major and can split roads and tectonic plates on the Earth's surface slip slips are more significant than others. Eq we will read about below.

Natural Disasters

You feel a rumble under your feet. Your house seems to be shaking, but only a little. Just enough that you wonder if it's real. Has this ever happened to you? If so, you may have experienced a little earthquake. Earthquakes are one of the many tural disasters that occur on our planet. Natural disasters are events that pen in nature without human influence. These things would happen no matter

Natural Disasters

does

Natural Disasters

Name:

- What does the word rotating mean?
 - a. moving backward
 - moving quickly
 - moving in a circle
 - moving slowly

 - What is the main idea of paragraph 7? hurricanes form over the ocean
- Annotate the

WHIC

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a.

b.

Who

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C-

Circle unknown

Number the

paragraphs

Underline

important

statements

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- Select the word or phrase from the paragraph that helps the reader understand the Name: meaning of the word influence.
 - no matter what action humans took
 - events that happen in nature
 - without human
 - d. a little earthquake
- What evidence does the author use to explain why blizzards can be dangerous?
 - a. blizzards are characterized by strong winds

victure frame over, while

- if people don't realize they're coming
- blizzards can also cause an avalanche to occur
- people can get stuck or freeze in them
- Where in the text does the author show evidence to support the claim that you should stay where you are during a flood?
 - a. Paragraph 4
 - Paragraph 5
 - Paragraph 6
 - Paragraph 7
 - 4. What is this text mainly about?
 - a. blizzards being dangerous
 - different types of natural disasters that occur

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ent.

This resource includes:

- Teacher Tips
- Questions to Ask Students
- Student Bookmarks:
 - Close Reading Steps
 - Annotate/Mark the Text
- 6 Informational Texts
- 60 Multiple Choice Questions 10 questions for each text
- 7 Graphic Organizers
- Answer Key



Topics Included:

6 Informational Texts:

- Water Cycle
- Weather Tools
- Types of Precipitation
- Weather in Different
 - Environments
- Climate Zones
- Natural Disasters



The Water Cycle

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The water vapor rises to the sky, turning into liquid drawth as it rises. Condensation, the process of gas turning into a liquid, droplets created through condensation accumulate to form the clouds above us. Clouds are made of several know that condensation happens in our everyday lives cold drink on a table or a coaster? The next time you 55, causing water to

Annotate the Text

Number the paragraphs

> Underline reached the gro important streams, ocea statements vally, the cycle

Circle unknown words

Question? Confusing?

Interesting

The Water Cycle

The water on Earth's surface is constantly moving and changing. Not only does it flow from place to place, but it also changes form. Water exists in three forms: liquid, vapor, and ice. The process of water changing between these three forms is known as The Water Cycle.

The purpose of The Water Cycle is to reuse water that has already been used. So the water you drink and the water that comes out of your shower is the same water that falls from the sky and flows through the nearby stream. Kind of crazy, right? No new water is produced. It's all the same water that's been around; it's just reused and repurposed for different purposes.

Steps in The Water Cycle

The Water Cycle has four steps that help the water surrounding us take different forms. These steps are evaporation, condensation, precipitation, and collection. Water moves through The Water Cycle process and follows these steps to change.



lakes, streams, or even puddles. As the Sun heats this surface

water. sky. We can't se





The Water Cycle Name:

- What does the word repeat mean?
 - a. happening yester
 - b. happening last v
 - happening once
 - d. happening again
- 7. What is the main idea of i
 - a. water can be li
 - water exists in
 - water flows
 - water can be r
- Which of the following is
 - collection
 - precipitation
 - water vapor

water vapoi

Name:

The Water Cycle

- Select the word or phrase from the paragraph that helps the reader understand the meaning of the word accumulate.
 - water droplets

 - created through condensation
 - gather
- 2. What evidence does the author use to explain why The Water Cycle exists?
 - The Water Cycle has four steps.
 - The purpose of The Water Cycle is to reuse water that has already been used.
 - It's all the same water that's been around.
 - The process of water changing between these three forms is known as the water cycle.

n the text does the author show evidence to support the claim that clouds vater droplets once they are full?

- Paragraph 3
- Paragraph 4
- Paragraph 5
- Paragraph 6
- What is this text mostly about? 10. What does the word re
 - a. what precipitation is
 - how The Water Cycle works
 - the reason water is reused
 - what collection is



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When you hear the word tropical, what do you think of? If it's warm, sandy beaches, you aren't too far from understar located. Unlike in the polar zone, the tropic temperature of 64 F or higher. Therefor warm-weather year-round. Although sun different seasons; wet seasons and dry amount of rainfall occurs, which is heav be evaporated. Meanwhile, during dry s several plants struggl e most recognized a

th America such as Annotate the

Number the paragraphs

ited States. Cl Underline important statements

Circle unknown words

> Question? Confusing?

Interesting!

Climate Zones

Is it generally warm where you live, or is it cold? Alternatively, maybe it's somewhere in the middle. Depending on your answer to that question, you've described the climate of where you live. Climate is the average weather in a given place over a long period of time. So, for example, if someone made a graph to chart the weather every single day where you live, then took all of the numbers on that graph and found the average, that number would determine what the climate is like wherever you are right now.

The world is separated into three climate zones. We split these areas into zones to help us understand the differences in these areas and the weather that will occur within that area of the world. These zones are classified as polar, tropical, and temperate. Wherever you are in the world, the climate of your location will fall into one of these three categories. Ready to see which one best describes where you live?

Polar

Do you know what the word polar means? Think about the animal, the polar



72° F. So, even on the snowiest day where you live, it's likely that your

owhere close to that! The regions of Earth that preside in ther the area areas

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Climate Zones

- Select the TWO sets of words or phrases from the paragraph that help the reader Name:
- understand the meaning of the word separated.
 - a. Into three climate zones
 - split these areas into zones
 - c. the weather that will occur within that area of the world
 - d. classified as polar, tropical, and temperate
- What evidence does the author use to explain why some wild during the dry seasons of the tropical zone?
 - a. several plants struggle to survive
 - all of the water cannot be evaporated
 - c. a large amount of rainfall occurs
 - due to the lack of water
 - Where in the text does the author show evidence to sup temperate zone is just right?
 - Paragraph 6
 - Paragraph 7
 - Paragraph 8
 - Paragraph 9

about?

amples would BEST help

ording the daily remperature in an ar or the types of animals that liv

Name:

Climate Zones

- What does the word described mean?
 - a. wondered something
 - explained something using words
 - looked for
 - asked
- What is the main idea of paragraph 8?
 - most people in the United States live in temperate climates
 - temperate climates have mild rainfall
 - temperate climates experience four seasons
 - d. temperate climates are not too hot like tropical climates or too cold like polar
- Which of the following areas is NOT located in a tropical climate?

 - Florida
 - c. Asia
 - d. Antarctica
- What is the difference between wet seasons and dry seasons?
 - wet seasons are hot; dry seasons have much rainfall
 - wet seasons flood the ground; dry seasons lack water
 - wet seasons experience much rainfall; dry seasons do, too
 - wet seasons are cold; dry seasons are hot
- 10. What does the word recognized mean?
 - known
 - seen
 - wished for

Weather in Different Environments

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If you were to fly over a forest, you would see mar large expanse of trees and can be found worldwide the weather in forests depends on where they are are warm forests that can be found near the equ is dry and humid. Temperate forests have a mild o four seasons and are neither too hot nor too cold forests located in the arctic and experience snow

ain? This is the n Close Reading Steps

Read the

Annotate the text

Read the text again

Define unknown words

Read the text again

Respond to reading

contain a

Weather in Different Environments

Have you ever wondered if the weather where you live is the same as the weather in other places? The weather differs depending on where in the world an environment exists. We can divide these different environments into biomes. Biomes are land areas with the same type of climate, soil, vegetation, and wildlife present. There are five types of biomes across our world.

Aquatic

Whether it's an ocean, a lake, or a pond, it's considered an aquatic biome. All biomes containing water are aquatic biomes, whether saltwater or freshwater, which are the differences between the two major types. Freshwater biomes include lakes, ponds, and rivers, surrounded by trees, while saltwater biomes consist of oceans and coral reefs. The temperatures in these areas vary depending on location, but the average temperature of these areas is 39° F. The aquatic biomes found closer to the equator are warmer.

assland s of g

of rainfall. Savannas are most commonly found near the equator,

South America. India, and Australia. Temperate South Africa, Russia, Argentina, Hungary, and Ur





Weather in Different Environments

Name:

What does the word mild mean?

- a. freezing cold
- spicy
- c. warm, but not hot
- d. hot, but not cold
- 7. What is the main idea of paragraph 3?
 - a. two types of grasslands exist across the globe
 - temperate grasslands have less rain and trees savannas are found near the equator, but temper

 - savannas have some trees, but temperate grassic
 - Which of the following areas does NOT have temperal
 - a. Australia
 - Argentina
 - c. Africa

What is the difference between tropical forests ar

tropical are cold; temperate are warm imperate are mild

Name:

Weather in Different Environments

- Select the word or phrase from the paragraph that helps the reader understand the meaning of the word worldwide.
 - a found
 - a large expanse of trees
 - existing all over the world
 - d. depends on where they are situated
- 2. What evidence does the author use to explain why some forests are warm?
 - a. the weather in forests depends on where they are situated
 - tropical forests can be found near the equator
 - forests contain a large expanse of trees
 - [they] can be found worldwide
- 3. Where in the text does the author show evidence to support the claim that aquatic biomes stay cool?
 - a. Paragraph 2
 - h Paraaraph 3
 - Paragraph 4
 - d. Paragraph 5
- 4. What is this text mainly about?
 - a. which biomes are dry
 - how each biome can be both warm and cold
 - the five biomes
 - the types of weather in different biomes
- 5. Which of the following details explains which wildlife can survive in the desert?
 - a. this is the reality for creatures who live in the desert
 - only creatures with adaptations can survive here
 - high temperatures and dry environment
 - most deserts exist in tropical areas and are extremely hot

Natural Disasters

As mentioned above, things begin to shake uncontrollably when an earthquake happens. Some earthquakes are minor, s others are major and can split roads an tectonic plates on the Earth's surface s slips are more significant than others. we will read about below.

Tsunamis

Tsunamis go hand in hand with volcan disrupts the sea floor, causing glant ocean water suddenly rising and for unlikely where you live, if you're eve point you can to stay safe.

Blizzard

It's important to know that a bliz extremely cold area with a high li by strong winds, abundant snow snow day; they can be dangerou because people can get stuck o natural disaster, called an avale of snow can slide down a slope

Natural Disasters

You feel a rumble under your feet. Your house seems to be shaking, but only a little. Just enough that you wonder if it's real. Has this ever happened to you? If so, you may have experienced a little earthquake. Earthquakes are one of the many natural disasters that occur on our planet. Natural disasters are events that happen in nature without human influence. These things would happen no matter what actions humans took.

Tornadoes

bing a picture frame over, while

Have you ever heard of a tornado? Consisting a tornadoes are known for their strong-powered anything in their path. Tornadoes form from a they usually happen in specific areas, they can time. If a tornado is near you, find a safe pla to duck and cover your head.

Hurricanes

Think about how fast a cheetah can run. If en faster than a cheetah can experiencing a hurricane, stay indoors of

windows.

Floods Have you e

experience to abundan Some floods are small, while other street. No matter how big of a flo **Close Reading** Steps 1 Read the

Annotate the text

reading

uknown words







Natural Disasters

Name:

- What does the word rotating mean?
 - a. moving backward
 - moving quickly
 - c. moving in a circle
 - d. moving slowly
 - 7. What is the main idea of paragraph 7?
 - a. hurricanes form over the ocean
 - hurricanes can be scary and should be taken seriously
 - hurricanes are fast
 - stay inside during a hurricane
 - Which of the following storms does NOT usually cause oth as a chain effect?
 - a. blizzards and earthquakes
 - hurricanes and tornadoes
 - tornadoes and tsunamis
 - tornadoes and floods

rence between tornadoes and hurric es hurricanes usua ani hurr the word abundance mean?

Name:

Natural Disasters

- Select the word or phrase from the paragraph that helps the reader understand the meaning of the word influence.
 - a. no matter what action humans took
 - events that happen in nature
 - without human
 - d. a little earthquake
- What evidence does the author use to explain why blizzards can be dangerous?
 - a. blizzards are characterized by strong winds
 - if people don't realize they're coming
 - c. blizzards can also cause an avalanche to occur
 - d. people can get stuck or freeze in them
- Where in the text does the author show evidence to support the claim that you should stay where you are during a flood?
 - a. Paragraph 4
 - Paragraph 5
 - Paragraph 6
 - d. Paragraph 7
- What is this text mainly about?
 - blizzards being dangerous
 - different types of natural disasters that occur
 - tornadoes forming out of nowhere
 - even small earthquakes can occur and shake your house
- Which of the following examples would be the BEST advice to give someone in case a tsunami comes?
 - a. find the highest point you can get to (building, hill, etc.)
 - duck and cover your head
 - stay away from the windows
 - do not walk or drive

Precipitation

Sleet

Did you know that rain can be frozen? We refer to frozen rain as sleet. Sleet

consists of tiny balls of ice falling from the ck formed when rain passes through the air whe Because of the cold, the raindrops freeze and seen sleet?

Hail

with sleet, hail consists of clu Annotate the drical. Unlike sleet, hail usually his is because hail is formed sleet. Because it can be so me or car.

Number the paragraphs

Underline important statements

ou live? If so, you'll kno from the clouds. Snow ulate together on the e crystals freeze in als fall when the cla u've experienced s

unknown





Interesting!

Precipitation

You hear a pitter-patter sound on the roof above your head. Something is hitting your roof, but what is it? Depending on how loud or soft the pitter-patter is, it could be a type of precipitation, such as rain, drizzle, snow, hail, or sleet.

Precipitation refers to the water droplets falling from the sky's clouds. The types of precipitation vary from liquid to solid and freezing to warm. Different conditions, such as weather, will determine which type of precipitation will fall from the clouds. Learning about the different types can help us know what to expect when we hear the pitter-patter on our roofs.

Types of Precipitation

Precipitation occurs because the clouds become too heavy. When this happens, they need to release pressure. This is why precipitation falls. As mentioned above, the type of precipitation can vary depending on outside factors.

Rain

OU

C

Rain is the most common type of precipitation. It occurs when water droplets are formed and fall from the clouds. Raindrops are made of two or more water particles coming together to make a droplet. Rain can be light or heavy. When rain is light, you may enjoy jumping in the buddles it leaves behind or dancing around in it.

ne people find rain peaceful as listen to it fro

smaller than rain, a drizzle can almost feel like there's no rain at all. Sometimes a

ir before an actual rainstorm hits, as well. Have you ever been

yo

Chloe Campbell



Precipitation

- 6. What does the word damage mean?
 - a. need
 - worry or concern
 - hurt or destroy
 - help

 - What is the main idea of paragraph 2? a. there are many different types of precipitation it's important to know the different types of
 - precipitation is water drops falling from the s
 - weather conditions influence precipitation

 - Which of the following is NOT true about hail? a. occurs during warm weather thunderstorms
 - hail is tiny balls of ice
 - bigger than sleet
 - d. hail is clumps of ice
 - q. What is the connection between drizzle and rain?
 - a. neither are types of precipitation both are types of weather that have dr

Name:

Precipitation

- Select the word or phrase from the paragraph that helps the reader understand the meaning of the word accumulate.
 - a. snow falls
 - cold enough
 - stick
 - together
- What evidence does the author use to explain why drizzle occurs instead of actual rainfall?
 - a. you may enjoy jumping in the puddles it leaves behind
 - b. formed of water droplets smaller than rain, a drizzle can almost feel like there's no rain at all
 - c. it comes from low-lying clouds and often means there aren't enough droplets to form rain, so instead, the cloud releases tiny droplets
 - d. a drizzle is similar to rain, but it is much lighter than rain
- 3. Where in the text does the author show evidence to support the claim that sleet consists of frozen raindrops?
 - a. Paragraph 6
 - b. Paragraph 7
 - c. Paragraph 8
 - d. Paragraph 9
- What is this text mostly about?
 - a. precipitation falling from the sky
 - b. the many different types of precipitation
 - c. the sound of precipitation on your roof
 - the many winter and rain storms that are possible
- 5. All of the following details explain how snow is created EXCEPT?
 - ice crystals freeze in the clouds due to the cold weather
 - when the clouds become full, these ice crystals fall
 - when the temperature is cold
 - consists of white, fluffy flakes

Weather Tools

Did you know that bad weather can be predicted? Recometers can help us do that. Barometers measure the pressure of the a high, it shows that good weather is coming. Howe the way when the air pressure is low. The lower worse weather will be. Hurricanes mainly occur

Rain Gauge

Have you ever felt like it rained for days? A re rainfall happens at one time. To use a rain gau numbers on it, stick the tube in the ground w rain gauge looks like a small tube or cup. It m have fallen as it fills up. Then, when the rain gauge and read the numbers on the side to

An anemometer measures the speed of th Anemometer oing. This device has small cups attached easure how fast the wind travels. This red of the wind changes, it shows that

paragraphs Underline important statements

Number the

Annotate the

vanes, or weather vanes, can ofte These wind vanes nd south. These de to predict a sto

Confusing?

Weather Tools

You walk outside. Heat instantly floods your body, causing your body to heat up right away. It's hot! Was it this hot yesterday? You aren't sure. What if there was a tool that could help you measure what the temperature is today and what it was yesterday? The good news is that there isl

We use specific tools to help us predict and be aware of the weather outside. Weather refers to the temporary and frequently-changing behavior of the atmosphere. There are several types of weather, including rainy, snowy, cloudy, sunny, and a range of things in between. We can use tools to help us measure these types of weather and make educated decisions about what to wear and how to plan our day. Is unsafe weather coming? Will there be rain in the morning? Weather tools help us determine it all.

Types of Weather Tools

There are six types of weather tools that are most commonly used throughout the world. These tools are an asset to scientists and ordinary people because they help us predict and make decisions regarding the weather. In addition, each of these tools functions in different ways for various types of weather.

Thermometer

Thermometers measure the temperature of the air around us. Traditionally weather got containing mer thermometers were made

re and a

because it can be poisonous to people. Now they are digital or analog and look like cs, but they have temperatures instead of times on the face. Has the doctor

Chloe Campbell



Name:

- 6. What does the word protect mean?
 - a. keep people safe
 - b. tell people
 - c. move people
 - d. help people
- 7. What is the main idea of paragraph 2?
 - a. snow, rain, and Sun are all t
 - b. we can use tools to help us r
 - c. weather tools help us know
 - d. there are six types of weat
- 8. Which of the following is NOT the corre
 - a. rain gauge collects rain
 - b. barometers measure wind p
 - c. wind vanes measure wind sp
 - d. thermometers measure tem
- What is the difference between an aner
 - a. wind vanes measure temper

Multiple was the word by measure

to get something and bring it farther at the fire

Questions

Weather Tools

Name:

Weather Tools

- Select the word or phrase from the paragraph that helps the reader understand the meaning of the word temporary.
 - a. frequently-changing
 - b. behavior
 - c. predict
 - d. several
- What evidence does the author use to explain why thermometers no longer contain mercury?
 - a. the mercury expanded and rose up in the tube
 - b. it can be poisonous to people
 - c. now they are digital or analog
 - d. they measure how high our body temperatures have risen
- 3. Where in the text does the author show evidence to support the claim that wind vanes keep them safe by predicting an upcoming storm?
 - a. Paragraph 6
 - b. Paragraph 7
 - c. Paragraph 8
 - d. Paragraph 9
- 4. What is this text mainly about?
 - a. the many types of weather
 - b. how a rain gauge measures the amount of rainfall
 - c. the many weather tools used to predict or measure weather
 - d. how weather tools help us choose our clothes
- 5. Which of the following details is most important to the topic of what parts of an anemometer are used to help measure wind speed?

Close Reading

Close Reading: A reading strategy that is used to comprehend and analyze a text closely. Students will typically read the text at least twice for comprehension, details, analysis, and deep questioning of the text's purpose and meaning.

Steps for Close Reading:

- I. Read the Text
- 2. Mark Up the Text or Annotate the Text
- 3. Read the Text Again
- 4. Define Unknown Words
- 5. Read the Text Again
- 6. Respond to Reading





Includes:

- Teacher Tips
- Questions to Ask Students
- Close Reading Steps Bookmark
 - Version with "Mark the text"
 - Version with "Annotate the text"
- Steps to "Mark the Text" Bookmark
- Steps to "Annotate the Text" Bookmark
- Informational Text: The
- 10 Multiple Choice Questi
- 7 Graphia Organizano

Questions to Ask Students

- What is the text mostly about?
- Who is the audience for this text?
- What's is the writer's purpose of this text?
- What's your favorite part of the passage?
- What words are new to you? What do you think the words mean?
- What detail stands out to you?
- What questions do you now have about the topic?
- If you can ask the author 2 questions, what would yo ask them?
- In this paragraph, what is the author saying?
- What is the structure of the text? How does it help

Close reading: A reading strategy that is used to comprehend and analyze a text closely. Students will typically read the text at least twice for comprehension, details, analysis, and deep questioning of the text's purpose and meaning.

Teacher Tips

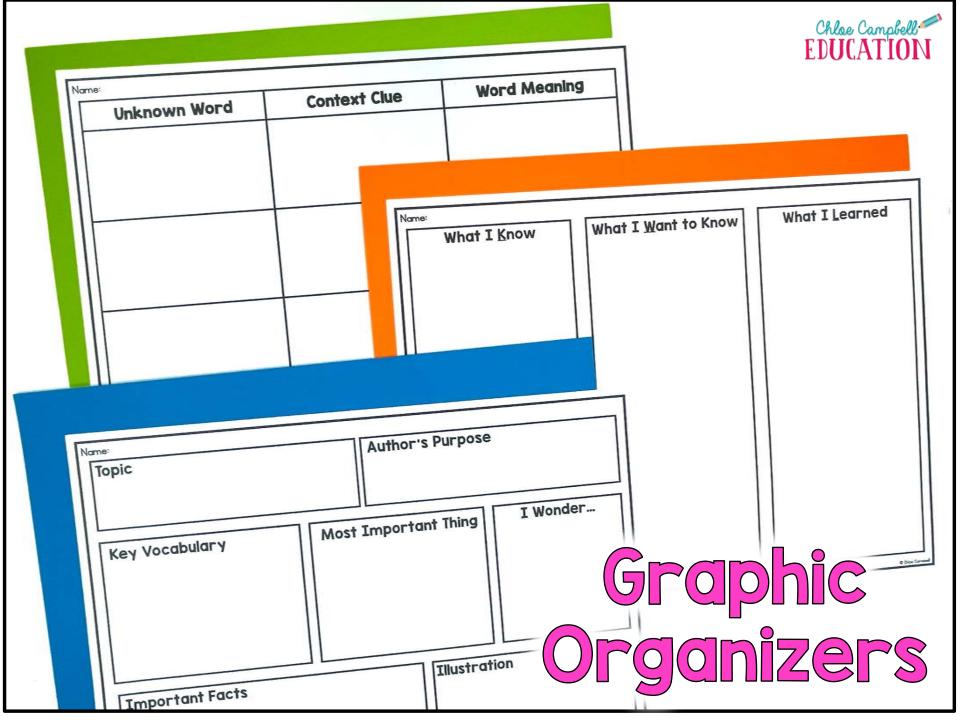
Teacher

- Read the Text: When students read the text for the first time, they are reading just to identify what the passage is mostly about. The first read is surface level and allows the students to understand the gist of the text.
- Mark Up the Text or Annotate the Text: Encourage students to use their annotation bookmarks (provided below) to make notes directly on the text. Students can write in the margins, use sticky notes to make notes, use color coding. You can even slip the text inside a dry-erase pocket and encourage students to use dry-erase markers to mark up the text.
- Read the Text Again: If the teacher is working with the students for this, the teacher can read the text aloud this time. Model think-alouds and use expression while you read. If students are working with partners in a station, encourage them to each read a paragraph then switch readers.
- Define Unknown Words: During this step, invite students to circle any unknown or unfamiliar words. Use the provided graphic organizer to select 4-5 unknown words and work to identify the meaning of each word.
- Read the Text Again: With this third time reading the text, encourage the students to read the passage independently.
- Respond to Reading: Students will now use the text to answer the 10

Graphic Organizers

- Main Ideas with Text Evidence
- Central Ideas with Text Evidence
- Central Ideas with Details
- Main Idea, Details, Conclusion
- KWL: What I Know, What I Want to Know, What I Learned
- Overview: Topic, Author's Purpose, Key Vocabulary, Most Important Thing, I Wonder, Important Facts, Illustration
- Context Clues (3 Versions: 3 words, 4 words, 5 words)
- Arthropods

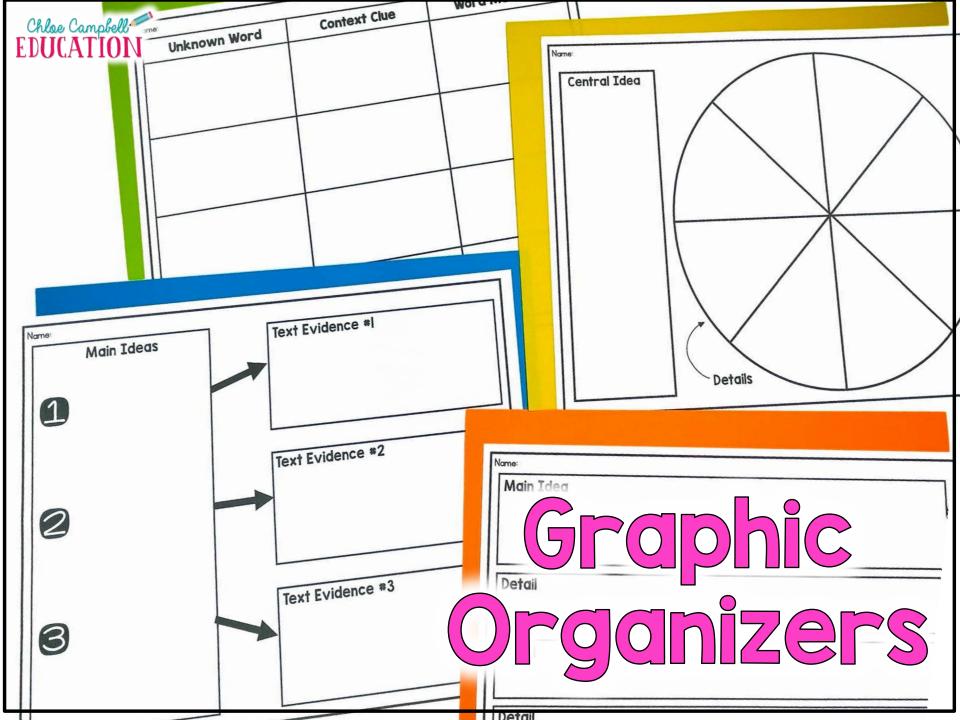




Ideas for Use

- Science or ELA Stations
- Whole Group Instruction
- Partner Practice
- Guided Reading Groups
- Substitute Plans
- Send home to practice
- ELA Work Stations or Centers
- Assessment





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