

Weather Unit

Name: _____

Weather Vocabulary


Circle the word that the image shows.

	lightning		gauge
	sunshine		wind vane
	tornado		thermometer
	barometer		lightning
	wind vane		sunshine
	thermometer		tornado
	gauge		wind
	wind vane		ice
	anemometer		snowflake

Name: _____

Weather

There are many different types of weather patterns. Some weather is pleasant. People enjoy sunshine and warm weather. Some weather is unpleasant. This is the weather people dislike, such as thunderstorms, rain, and hail. There are many changes in weather. Temperature, atmosphere, precipitation, clouds, and air are a few things that change in weather. The wind and clouds change weather from day to day. The rotation of the earth revolving around the sun is what changes the weather throughout the year.



- What are two examples of unpleasant weather?
- In weather, what types of things change?
- What makes weather change throughout the year?

Name: _____

Weather Write & Draw

Illustrate this sentence.
Some weather can be dangerous to humans.

Write a sentence for the picture.



Illustrate this sentence.
Jeff looks at the clouds in the sky and sees the sun poking through.

Write a sentence for the picture.



What Teachers Have Said...



"So easy to print and go! We don't have a ton of time in our day for science/social studies. This was a quick and easy to use resource that helps ensure we get to a science lesson each day."

"These are perfect for creating a unit on weather. The passages are easy for students to read and comprehend and I love the different types of activities that come in this resource."

"My students really enjoyed going through the passages and worksheets. They learned so much about all kinds of weather. We used it along with a small weather station."

Topics Covered

This Weather unit is intended to be used as supplemental resources for your science unit.

Topics Covered:

- Weather Patterns
- Precipitation
- Climate
- Seasons
- Types of Weather
- Weather Instruments

Types of Resources Included:

- KWL Charts
- Passages
- Comprehension worksheets
- Fact writing worksheets
- Vocabulary worksheets
- Mini books & questions



Digital Conversion

The passages and worksheets have been digitally converted to Google Slides.



All About Weather

Name: _____

Weather

What I Know	What I Want to Know	<p>Name: _____</p> <p>Write about each type of weather.</p> <div style="border: 1px solid black; height: 100px; margin: 5px 0;"></div> <div style="text-align: center;">  </div> <div style="border: 1px solid black; height: 100px; margin: 5px 0;"></div> <div style="text-align: center;">  </div> <div style="border: 1px solid black; height: 40px; margin: 5px 0;"></div>

Name _____

Write about each type of weather:





Weather

Name: _____

Write about each type of weather:

Disaster Weather		Pleasant Weather	
 _____ _____ _____ _____ _____	 _____ _____ _____ _____ _____	 _____ _____ _____ _____ _____	 _____ _____ _____ _____ _____

Name: _____

Weather

Name: _____

Weather









Pleasant	Dislike
	

Weather

Name: _____

Weather Part 1

Circle the types of weather that may be dangerous.












Choose one of these dangerous weather conditions and explain what makes it dangerous.

Name: _____

Weather Part 2

Describe the use of a thermometer.





Name: _____

Weather


Facts


Opinions


Name: _____


Weather Instruments

Describe the use of each instrument.























Name: _____

Weather Vocabulary

Circle the word that the image shows.

	lightning		thermometer
	sunshine		tornado
	barometer		cloud
	wind vane		umbrella
	gauge		snowflake
	wind vane		umbrella
	anemometer		umbrella

Name: _____

Weather

thunder	rain
sun	weather
clouds	lightning

☐ ☐ ☐ ☐ can be very different

Some days may be filled with sun
white ☐ ☐ ☐ . Other days may have
☐ ☐ ☐ and flashes of ☐ ☐ ☐

Weather can be dangerous from
with high water, to hurricanes with
to spiraling ☐ ☐ ☐ ☐ ☐ . These are
weather to stay away from.

Weather can also be beautiful. In
light ☐ ☐ ☐ falling from the clouds
bright ☐ ☐ comes out and dries up
colorful ☐ ☐ ☐ appears.

[illegible][illegible]

Name: _____

Weather

Facts

Opinions

Weather can be dangerous.


Tornadoes are the scariest type of weather.



Hot weather is better than cold weather.

Snow is the best type of precipitation.

Sometimes, it is outside.

It should always be warm.



Name: _____	
<h1 style="text-align: center;">Weather Write & Draw</h1>	
<p>Illustrate this sentence.</p> <p><i>Some weather can be dangerous to humans.</i></p>	<p>Illustrate this sentence.</p> <p><i>Jeff looks at the clouds in the sky and sees the sun poking through.</i></p>
<p>Write a sentence for the picture.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Write a sentence for the picture.</p> <p>_____</p> <p>_____</p> <p>_____</p>
	

All About Weather

Name: _____

Weather

There are many different types of weather. Some weather is pleasant. People enjoy sunshine and warm weather. Some weather is unpleasant. This is the weather we dislike, such as thunderstorms, rain, and hail. The changes in weather. Temperature, atmosphere, clouds, and air are a few things that change in weather. The rotation of the earth revolving around the sun is what changes the weather throughout the year.

1. What are two examples of unpleasant weather?
2. In weather, what types of things change?
3. What makes weather change throughout the year?

Name: _____

Weather

What I read about weather:

I can list seven types of weather:

I can list the things that change in weather:

Name: _____





Weather Instruments

There are many different ways to measure weather. We may measure rain, temperature, wind, or air pressure. A thermometer is one of the most commonly used instruments. Some thermometers are digital, while others contain liquid that read the outside temperature. A barometer is an instrument that measures air pressure which tells if wet weather is coming. Rain gauges collect rainfall and measure how many inches have fallen that year. Wind is also measured. An anemometer measures wind speed, and a weathervane measures wind direction.

1. What two instruments measure wind? How?
2. What instrument can tell us how much rain has fallen?

Name: _____

Weather Instruments

	rain gauge
	anemometer
	barometer
	thermometer

Name: _____

Precipitation

Precipitation is a term for weather that falls from the sky. All precipitation forms inside of clouds and then falls to the earth's surface. The air temperature can determine what type of precipitation may fall, such as warm air making rain and colder air making snow. Not all clouds form precipitation, but some do. They do this by collecting water vapor and water droplets inside the cloud. Once the water droplets in the cloud gets too heavy, they will fall to the earth's surface. Precipitation helps the earth by helping to fill lakes, rivers, and other bodies of water. It helps to feed plants and animals.

1. What is precipitation?
2. Why does precipitation fall?
3. How does precipitation help the earth?

Name: _____

Precipitation

Types of Precipitation

Rain	Sleet	Snow
Explain it...	Explain it...	Explain it...

Name: _____

Climate

Climate is a weather pattern over a longer period of time. This would be the type of weather a certain part of the world gets. Years and years can determine the climate of an area. This is not a type of weather, it's the patterns of weather that occur in an area. For example, climate in an area could mean dry summers, wet winters, or it could mean that it is warm and wet all year long. Four specific types of climate are tropical, wet, Mediterranean, tundra, and arid.

1. What is climate?
2. How is climate different from temperature?
3. What are four types of climate?

Name: _____

Climate & Weather

Weather	
Both	
Climate	

Name: _____



Seasons

There are four seasons within one year: winter, spring, summer, and fall. These are caused by the earth's location. The earth orbits the sun and also spins. The exact path the earth around the sun makes the different seasons. In the northern hemisphere, winter begins in December, spring begins in March, summer begins in June, and fall begins in September. In the southern hemisphere, the opposite seasons occur. Winter typically brings cold temperatures and snow. Summer brings hot temperatures and longer days, and fall starts to cool off again with a crisp breeze.

1. What changes the seasons?
2. When do the seasons begin in the northern hemisphere?
3. Which season is your favorite? Explain why.

Name: _____

Seasons

Identify it.	Describe the weather.
	
	
	
	

Types of Weather

Name: _____

Pleasant Weather

In the spring and summer, many people like weather patterns. Warm air and sunshine are being outside. Spring weather brings warmer temperatures after a cold winter. Summer weather brings temperatures so that people can swim. When it's calm, people are happiest. Calm weather can help humans. They can go outdoors and enjoy the sun, clouds, and warm air. In the fall, the crisp air even feels great to people. As long as dangerous weather stays away, people are content.

- How is the weather pleasant in the spring?
- What do people do when the weather is pleasant?
- Why do you think people like pleasant weather?

Name: _____

Pleasant Weather



Name: _____

Disaster Weather

Disaster weather is the opposite of pleasant weather. This is the type of weather that forces people indoors. Some disaster weather is so dangerous that people have to seek special shelter indoors, such as tucked away in a closet. Tornadoes, hurricanes, earthquakes, flash floods, and tsunamis are a few examples of disaster weather. These weather patterns are anything that can cause serious damage to buildings, cars, humans, and anything else on earth's surface. They can be caused by air, wind, or cloud issues.



- Identify three types of disaster weather.
- What is disaster weather?

Name: _____


Disaster Weather



Name: _____

Rain

Rain is a form of precipitation that falls from the clouds to the earth. Water vapor forms within clouds, and when this water vapor gets too heavy and dense for the cloud, it falls to the earth's surface. Rain can come in a variety of different levels. A light rain may be called a drizzle. A heavy rain may be called a downpour. Too much rain can create a flood. Too little rain can cause a drought. Both are examples of extreme and dangerous weather. The earth needs rain to fill to keep rivers, lakes, and other bodies of water full and flowing.



- Explain the different types of rain.
- What is this rain?
- How can rain be dangerous to the earth?

Name: _____

Snow

Snow is a form of precipitation that occurs mostly in the cold winter. It can sometimes happen in early spring, but typically the cold winter. Snow falls when the air temperature is at or below 32° Fahrenheit. Just like rain, snow is water within the clouds before it forms. When the clouds get heavy or dense, the water vapor forms and falls to the earth's surface. Snow can come in different forms. It can be a light snow with smaller snowflakes lightly falling, or it can be a blizzard. Sometimes, snow falls hard and fast like rain. This is called sleet. Snow can make driving and walking conditions dangerous.



- Explain the different types of snow.
- When can it snow?
- Why is snow dangerous?

Name: _____

Snow


Good things about snow...	Bad things about snow...
It can cause roads to be dangerous.	Children can play in the snow.
People can compete in snowy water sports.	Snow can be very pretty to look at.
	It can make sidewalks slippery.
	People have to shovel sidewalks and driveways.



Name: _____

Types of Clouds


All clouds are filled with tiny droplets of water, but not all clouds are the same. There are different types of clouds in the sky. The differences are the location in the sky, appearance of the clouds. Three popular types of clouds are cirrus, stratus, and cumulus clouds. Cirrus clouds are wispy. Stratus clouds are gray clouds that cover the sky. They are found lower in the sky. Cumulus clouds are the big, white, puffy clouds found in the sky that look like cotton balls.



- What are clouds?
- Identify three types of clouds.
- Explain a stratus cloud.

Name: _____

Types of Clouds



Cirrus	big white clouds	very high clouds	very puffy
Stratus	lower clouds	wispy clouds	thin clouds
Cumulus	looks like cotton	dark gray clouds	cover the entire sky

Name: _____

Rain

How rain can be dangerous...	How rain can help...
It fills rivers and ponds with water.	Too much rain can cause flooding.
Rain on the roads can cause cars to lose control.	Humans and animals need water to survive.
	Too little rain can cause a drought.



Types of Weather

Thunderstorms

A thunderstorm is a form of disaster with thunder, lightning, rain, and strong winds. They happen a lot during the spring season. Changes in temperature in the atmosphere cause a spark of electricity. This is caused by the friction of air moving within clouds. Thunder is the noise made by the air moving through the clouds. It is best to stay indoors during thunderstorms. This is because the heavy rain, winds, and lightning can hurt you. Also, there is a chance of being struck by lightning.

1. What is a thunderstorm?

2. What type of weather can happen during a thunderstorm?

3. What causes lightning?

Thunderstorms

What happens during a thunderstorm...

What does not happen during a thunderstorm...



Tornadoes

A tornado is a spiraling tube of wind that extends from the clouds to the earth's surface. It is a very dangerous weather phenomenon that can cause major damage to anything that it touches. They are formed when warm air and cold air meet in the sky. The two types of air meeting creates problems in the atmosphere. Tornadoes occur mostly in the United States.

1. What is a tornado?

2. What causes tornadoes?

3. Why are tornadoes dangerous?

Tornadoes



Why Tornadoes are Dangerous

Hurricanes

A hurricane is an example of disaster weather. This is a very dangerous storm that can do a lot of damage to an area. These large storms form over the ocean and can be hundreds of miles across. They are spiraling winds that move across the ocean. Hurricanes form over warm waters in the ocean. This is their energy source. When a hurricane meets a coastline, it brings heavy rain and strong winds. It can also cause flooding and large, dangerous waves.



1. What is a hurricane?

2. Where does a hurricane form?

3. What does a hurricane do at the coastline?

Earthquakes

Earthquakes do not have a lot of harsh weather that during them. However, they are considered a type of disaster, just like a hurricane or tornado. An earthquake happens when the earth's surface moves in some form. There are plates under the earth's surface that are constantly moving. Sometimes, these plates may interact with each other and cause the earth to shake or rattle. Some earthquakes may be small and not too dangerous, while others can cause serious damage to buildings and roads.

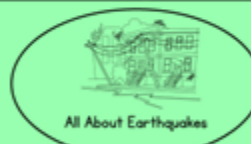


1. What is an earthquake?

2. What happens during an earthquake?

3. How can earthquakes differ?

Earthquakes



All About Earthquakes

Floods

A flood is an example of disaster weather. When the earth's surface collects too much standing water, a flood occurs. This can be caused by days of rain, strong winds, and hurricanes, or melting of large amounts of snow. Floods are when water that happens suddenly covers land that is usually dry. These can cause harm to people, cars, and other things on the earth's surface. For example, floods can damage the roads and bridges, as well as power lines, leaving people without power for days.

1. What is a flood?

2. How do floods happen?

3. Why are floods disastrous?

Floods

Mini Books



These fold-and-go mini books contain three pages of nonfiction material, followed up with three comprehension questions.