

Grade 3 – Assignment for week of (5/18 to 5/22)

The Earth's Seasons:

So far we have learned about planet Earth and the Earth's Moon. This week we will focus on what causes the seasons of spring, winter, summer, and fall.

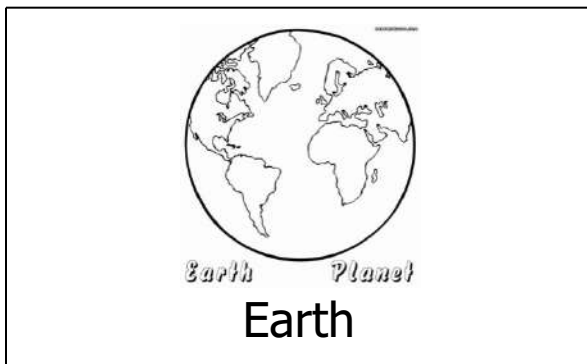
Science Vocabulary:

Earth:	The 3 rd planet from the Sun; also called the blue planet
Seasons:	The four parts of the year (winter, spring, summer, and fall)
Axis:	An imaginary line that goes through the North and South Poles
North Pole:	The most northern point of the Earth
Equator:	Imaginary line dividing Earth into North and South Hemispheres
South Pole:	The most southern point of the Earth

Task #1: Making Word Cards

Using the science vocabulary, choose (3) words that you would like to make word cards for. The word card will have the word on the front and a picture of the word. You can use google images if you are not sure what the vocabulary word looks like. On the back of the word card you will write a definition or what the word means. You can use any paper and fold it into four parts. Study your word cards and have someone test you.

Example: ***Earth***



The 3rd planet from the sun, also called the blue planet

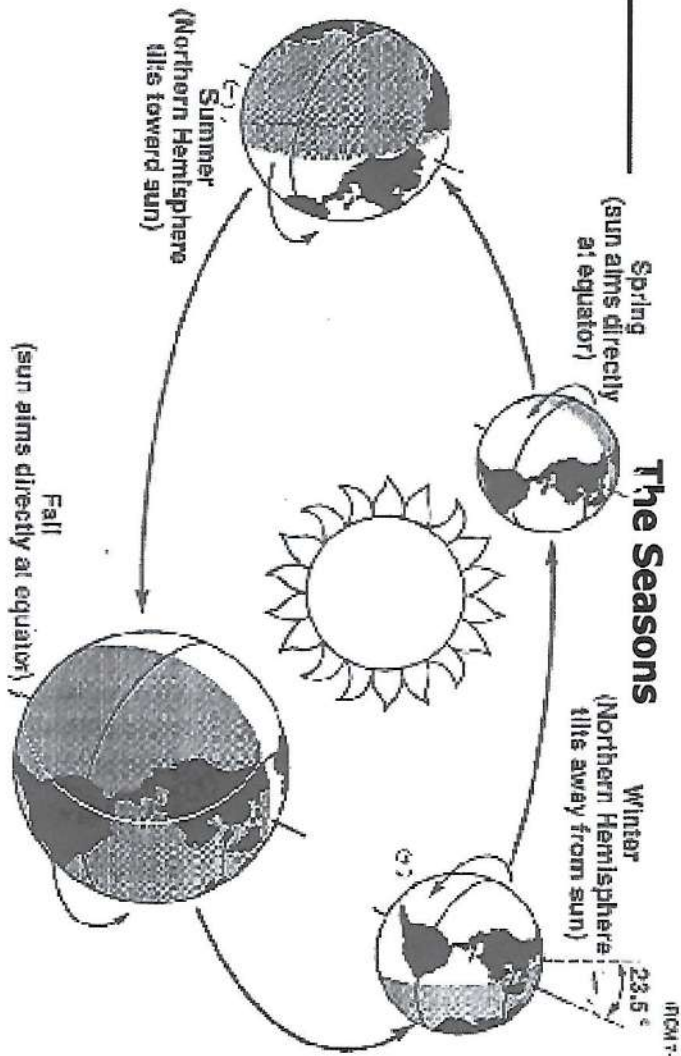
Task #2:

Read the page below entitled, "The Seasons" and use it and your science vocabulary to answer the questions on the following page entitled, "Seasons Activity Sheet."

Name _____

The Seasons

Date _____



The Earth's seasons are not caused by the differences in the distance from the Sun throughout the year. **The seasons are caused by** the tilt of the Earth's axis. This means Earth is tipped to one side. This tilting is what gives us the four seasons of the year – winter, spring, summer, and fall.

In the summer, the North Pole points in the direction of the sun. The sun shines more directly on that part of the Earth. This direct sunlight heats the ground and the air, the days are longer, and it is summer.

Three months after summer, both the top half and the bottom half of the Earth get the same amount of light. The days and nights have the same length, **it is fall**.

Three months after fall, the North Pole points away from the sun and the sun shines less directly on its surface. The ground and the air are heated less, the days are very short, and **it is winter**.

Another three months pass, and neither the North Pole or South Pole points in the direction of the sun. The days and nights are almost equal in length, and **it is spring**.

Task #3:

Use the information from the previous page called, "The Seasons," and your science vocabulary to answer the questions below on the page entitled, "Seasons Activity Sheet."

Name _____ **Seasons Activity Sheet** Date _____

- Answer questions (1-5) using the Seasons information sheet.

1. Use a complete sentence to tell what causes the seasons on Earth:

2. Use a sentence to tell why it is hotter during the summer season on Earth:

3. Use a complete sentence to tell about the Earth during the fall season:

4. Use a sentence to explain why it is colder during the winter season on Earth:

5. Use a complete sentence to tell about the Earth during the spring season:

Task #4:

Use what you have learned so far and your science vocabulary to correctly label the missing numbers on the "Parts of Earth" page below. Each number goes into a small box to correctly name that part of the Earth. When you are done you can use the key on the following page to check your answers.

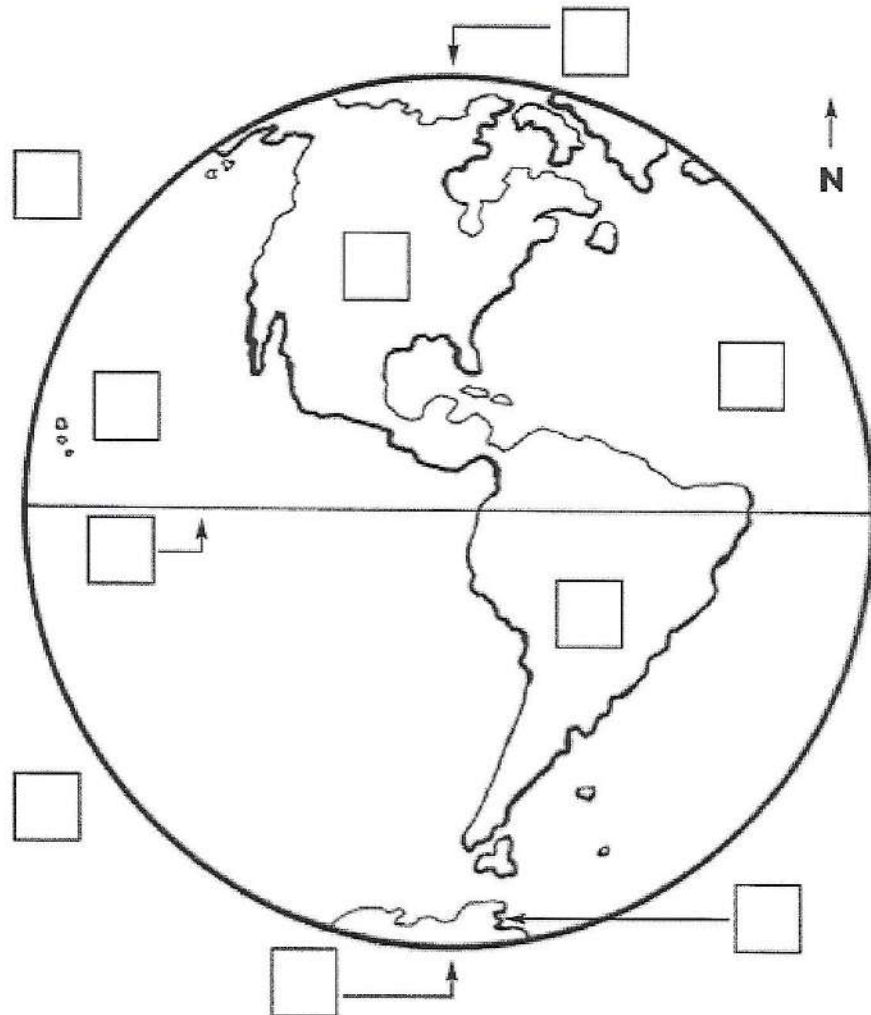
Name _____

Parts of the Earth

Date _____

Use the chart to label the diagram. Write the number of each location in the correct box.

- | |
|--|
| <ol style="list-style-type: none">1. Atlantic Ocean2. Northern Hemisphere3. North Pole4. Equator5. Southern Hemisphere6. Pacific Ocean7. South Pole8. South America9. Antarctica10. North America |
|--|



The word *hemisphere* is made up of two parts, *hemi-* and *sphere*. What do you think each part means? Use a dictionary to check.

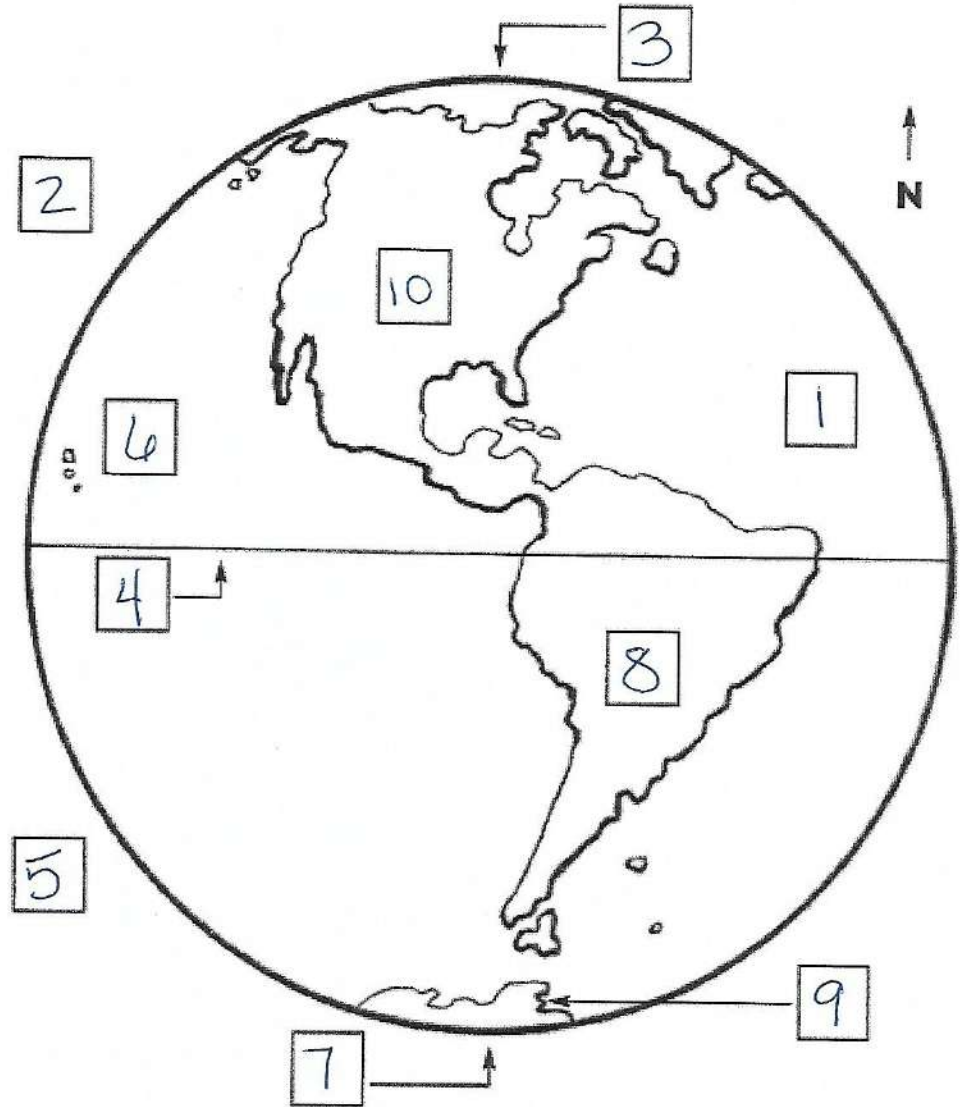
Name Key

Parts of the Earth

Date _____

Use the chart to label the diagram. Write the number of each location in the correct box.

- ~~1.~~ Atlantic Ocean
- ~~2.~~ Northern Hemisphere
- ~~3.~~ North Pole
- ~~4.~~ Equator
- ~~5.~~ Southern Hemisphere
- ~~6.~~ Pacific Ocean
- ~~7.~~ South Pole
- ~~8.~~ South America
- ~~9.~~ Antarctica
- ~~10.~~ North America



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