**The Geographer’s World: Unit 1**

Dear Students: Our first unit this year will focus on geography. The activities will include geography terms, reading latitude and longitude, directions, interpreting and locating on a map. Please complete all work on your own paper.

Standard: **GLE 1**. Use different types of maps and geographic tools to analyze features on Earth to investigate and solve geographic questions.

Learning Goal: I will use different maps and geographic tools to identify the five criteria that all maps are required to have (T.O.D.A.L.S.).

\_\_\_\_\_\_\_\_\_\_ Activity 1- Please define the geography terms on your own paper. Check your answers when your work is complete. Correct any errors in your definitions. Write each word in a sentence to practice usage of the word. Study the terms for the Activity 1 Assessment.

\_\_\_\_\_\_\_\_\_\_ Activity 2- Please complete the activity on the world outline maps. Your map must be labeled in pencil. Check your answers when the work is completed. Study the locations and prepare for an Assessment on Activity 2.

\_\_\_\_\_\_\_\_\_\_ Activity 3A & 3B- Please complete Activity 3A and 3B on your own paper. You will need your geography textbook. Find the country nearest to the position. Check your answers. Prepare to take the test over Activity 3.

\_\_\_\_\_\_\_\_\_\_ Activity 4- Complete Activity 4 in packet. Follow the directions given on the sheet and research the map projections in your textbook. Check your answers. Prepare for Activity 4 test on map projections.

\_\_\_\_\_\_\_\_\_\_ Activity 5- Complete Activity 5 in packet. Follow the directions, 1. Define vocabulary, 2. Participate in group flashlight activity, 3. Finish questions in Activity 5.

\_\_\_\_\_\_\_\_\_\_ Activity 6 – Pop! Goes The World

\_\_\_\_\_\_\_\_\_\_ Activity 7- physical Features chapter 2 poster

­­­­\_\_\_\_\_\_\_\_\_\_ Activity 8- Types of maps

Remember: You must complete the Activity center work before you take the test for the center.

**Geography Unit 1**

Activity 1: Basic Vocabulary of the Geographer’s World

Directions: Please define each term using your geography textbook. After you define each of the terms, please use each term in a sentence that demonstrates to me that you know the meaning of the word. Check your answers when you complete the assignment. Study the terms in this activity, for a summative assessment on Activity 1. Look in pages 11-39 in your textbook.

|  |  |
| --- | --- |
| 1. Absolute location 2. Relative location 3. Distortion 4. Map projection 5. Compass Rose 6. Cardinal Directions 7. Intermediate Directions 8. Map Legend or Key 9. Map Grid 10. Parallels (Latitude) 11. Meridians (Longitude) 12. Prime Meridian 13. International Dateline 14. Equator 15. Coordinates 16. Scale | 1. Hemisphere 2. Tropic of Cancer 3. Tropic of Capricorn 4. Sphere 5. Continent 6. Country 7. Elevation 8. Climate 9. Economic Activity 10. Landform 11. Physical Feature 12. Population Density 13. Region 14. Rotation 15. Revolution 16. Axis |

**Geography Unit 1**

Activity 2: Locating Places Around the World

Directions: Please locate and label neatly the places listed below on your world map. Use the map on pages in your geography book. Your map must be labeled in pencil (pen is NOT ALLOWED). Check your answers with a partner. Study the locations and prepare for a summative assessment on Activity 2.

|  |  |
| --- | --- |
| 1. Title the Map 2. Orientation (draw a Compass Rose on map) 3. Date Map 4. Author (write your name in right hand corner of map) 5. Equator (546 & 547) 6. Tropic of Cancer (546 & 547) 7. Tropic of Capricorn (546 & 547) 8. Prime Meridian (546 & 547) 9. International Dateline (411) 10. Arctic Circle (546 & 547) 11. Antarctic Circle (546 & 547) 12. Locate and Label all 7 Continents (546 & 547) 13. Locate and Label all 4 Oceans (546 & 547) | 1. Mediterranean Sea (570) 2. Carribean Sea (564) 3. Arabian Sea (582) 4. South China Sea (589) 5. Persian Gulf 6. Persian Gulf (582) 7. Black Sea (571) 8. Ural Mountains (570) 9. Alps (570) 10. Himalayas (588) 11. Andes (564) 12. Caspian Sea (571) 13. North Sea (570) 14. Baltic Sea (570) 15. Red Sea (577) 16. Sahara Desert (576) 17. Gobi Desert (588) 18. Amazon River (564) 19. Yangtze River (588) 20. Nile River (576) |

**Geography Unit 1 (Absolute Location)**

**Activity 3A**: Map Skills, Practicing Latitude and Longitude

Directions: Read pages 14-17 in your geography textbook before you begin the activity.

Definition: ° = Degrees

Country

1. 40° North, 90° West (548-549) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 60° North, 60° East (548-549) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 30° South, 150° East (548-549) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 20° South, 50° West (548-549) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 10° North, 40° East (548-549) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 30° North, 30° East (583) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 50° North, 20° East (571) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 50° North, 10° East (571) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. 20° North, 100° West (568) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 42° North, 15° East (571) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 66° North, 20° East (571) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. 20° North, 80° East (588) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. 30° North, 0° East (577) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. 11° North, 108° East (589) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. 22° North, 80° West (565) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. 40° North, 30° East (583) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. 35° North, 140° East (589) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. 52° North, 1° West (571) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. 30° South, 60° West (565) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. 25° North, 110° East \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
21. 24° North, 48° East \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. 30° South, 20° East \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
23. 15° North, 120° East \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. 30° North, 65° East \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
25. 18° North, 75° West \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
26. 0° , 0° \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Geography Unit 1 (KEY)**

**Activity 3A**: Map Skills, Practicing Latitude and Longitude

Directions: Read pages 14-17 in your geography textbook before you begin the activity.

Definition: ° = Degrees

Country

1. 40° North, 90° West (548-549) U.S.
2. 60° North, 60° East (548-549) Russia
3. 30° South, 150° East (548-549) Australia
4. 20° South, 50° West (548-549) Brazil
5. 10° North, 40° East (548-549) Ethiopia
6. 30° North, 30° East (583) Iraq
7. 50° North, 20° East (571) Poland
8. 50° North, 10° East (571) Germany
9. 20° North, 100° West (568) Mexico
10. 42° North, 15° East (571) Italy
11. 66° North, 20° East (571) Sweden
12. 20° North, 80° East (588) India
13. 30° North, 0° East (577) Algeria
14. 11° North, 108° East (589) Vietnam
15. 22° North, 80° West (565) Cuba
16. 40° North, 30° East (583) Turkey
17. 35° North, 140° East (589) Japan
18. 52° North, 1° West (571) England
19. 30° South, 60° West (565) Argentina
20. 25° North, 110° East China
21. 24° North, 48° East Saudi Arabia
22. 30° South, 20° East South Africa
23. 15° North, 120° East Philippines
24. 30° North, 65° East Afghanistan
25. 18° North, 75° West Haiti
26. 0° , 0° Atlantic Ocean (Bonus)

**Activity 3B (Absolute Location) HOME WORK**

**Crack the Code**

**Your Mission**

Crack the code to find out where the thieves are taking the loot. Crafty robbers broke into the Royal Geographical Society in London and stole armfuls of priceless maps. Finding them would be hopeless, except that they dropped a scrap of paper with some odd scribbles on it.

At the top is a rhyme that seems to be an instruction from the thieves’ boss:

***“FIRST LETTERS FROM EACH PLACE-NAME READ: SPELL OUT THE TOWN AND COME WITH SPEED.”***

Thanks to your brilliant detective skills, you realize that the coordinates are for cities all over the planet

1. Find those places in an atlas or on a map.
2. As you find each place, write its name next to the coordinates
3. Circle the first letter of each name
4. Read the letters top to bottom, and they should spell the name of a city.
5. List the exact latitude and longitude for the final city.

Now you know where to nab those cartographic crooks.

**LATITUDE LONGITUDE LETTERS**

59°N 18°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

21°N 106°E **\_\_** \_\_ \_\_ \_\_ \_\_

19°S 48°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

30°N 90°W **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

14°N 91°W **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

60°N 24°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

40°N 33°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_

34°N 72°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

**Final Destination \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Latitude and Longitude \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Crack The Code KEY- 3B**

**Your Mission**

Crack the code to find out where the thieves are taking the loot. Crafty robbers broke into the Royal Geographical Society in London and stole armfuls of priceless maps. Finding them would be hopeless, except that they dropped a scrap of paper with some odd scribbles on it.

At the top is a rhyme that seems to be an instruction from the thieves’ boss:

***“FIRST LETTERS FROM EACH PLACE-NAME READ: SPELL OUT THE TOWN AND COME WITH SPEED.”***

Thanks to your brilliant detective skills, you realize that the coordinates are for cities all over the planet

1. Find those places in an atlas or on a map.
2. As you find each place, write its name next to the coordinates
3. Circle the first letter of each name
4. Read the letters top to bottom, and they should spell the name of a city.
5. List the exact latitude and longitude for the final city.

Now you know where to nab those cartographic crooks.

**LATITUDE LONGITUDE LETTERS**

59°N 18°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (Stockholm)

21°N 106°E **\_\_** \_\_ \_\_ \_\_ \_\_ (Hanoi)

19°S 48°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (Antananarivo)

30°N 90°W **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (New Orleans)

14°N 91°W **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (Guatemala City

60°N 24°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (Helsinki)

40°N 33°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ (Ankara)

34°N 72°E **\_\_** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ (Islamabad)

**Final Destination \_\_\_\_Shanghai, China \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Latitude and Longitude \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_30 N, 121 E Shanghai\_\_\_\_\_\_\_\_\_\_\_**

**Geography Unit 1 (Relative Location)**

**Activity 4**: Direction/Orientation

Directions: Please write down the state after reading the directions. Use the map on page 27you’re your geography textbook.

Part I

1. What state is directly south of Utah and east of California?
2. What states are directly north of Texas and south of Nebraska?
3. What state is directly south of Wyoming and north of New Mexico?
4. What state is directly east of North Dakota and south of Canada?
5. What state is directly west of Mississippi and south of Arkansas?
6. What state is directly north of Florida and east of Alabama?
7. What state is directly south of Iowa and east of Kansas?
8. What state is directly south of Washington and north of California?
9. What state is directly west of Texas and east of Arizona?
10. What state is directly south of South Dakota and north of Kansas?

Part II: Use pages 548 and 549 in your textbook.

1. What country is directly east of Sweden and west of the Russian Federation?
2. What country is directly east of Namibia and north of South Africa?
3. What country is directly south of Venezuela and west of Guyana?
4. What country is directly west of Spain?
5. What country is directly east of Chile?
6. What country is directly north of Saudi Arabia and west of Iran?
7. What country is directly south of the U.S.?
8. What ocean is directly west of North America?
9. What ocean is directly east of Africa?
10. What sea is directly north of Africa and south of Europe?
11. (Bonus) What country is directly southeast of Sri Lanka and west of Papua New Guinea?

**Geography Unit 1 (Relative Location)**

**Activity 4**: Direction/Orientation (KEY)

Directions: Please write down the state after reading the directions. Use the map on page 27 in the geography textbook.

Part I

1. What state is directly south of Utah and east of California? AZ
2. What states are directly north of Texas and south of Nebraska? KS, OK
3. What state is directly south of Wyoming and north of New Mexico? CO
4. What state is directly east of North Dakota and south of Canada? MN
5. What state is directly west of Mississippi and south of Arkansas? LA
6. What state is directly north of Florida and east of Alabama? GA
7. What state is directly south of Iowa and east of Kansas? MO
8. What state is directly south of Washington and north of California? OR
9. What state is directly west of Texas and east of Arizona? NM
10. What state is directly south of South Dakota and north of Kansas? NE

Part II: Use pages 548 and 549 in your textbook.

1. What country is directly east of Sweden and west of the Russian Federation? FINLAND
2. What country is directly east of Namibia and north of South Africa? BOTSWANA
3. What country is directly south of Venezuela and west of Guyana? BRAZIL
4. What country is directly west of Spain? PORTUGAL
5. What country is directly east of Chile? ARGENTINA
6. What country is directly north of Saudi Arabia and west of Iran? IRAQ
7. What country is directly south of the U.S.? MEXICO
8. What ocean is directly west of North America? PACIFIC OCEAN
9. What ocean is directly east of Africa? INDIAN OCEAN
10. What sea is directly north of Africa and south of Europe? MED SEA
11. (Bonus) What country is directly southeast of Sri Lanka and west of Papua New Guinea?

SINGAPORE

**Geography Unit 1**

**Activity 4**: Map Projections

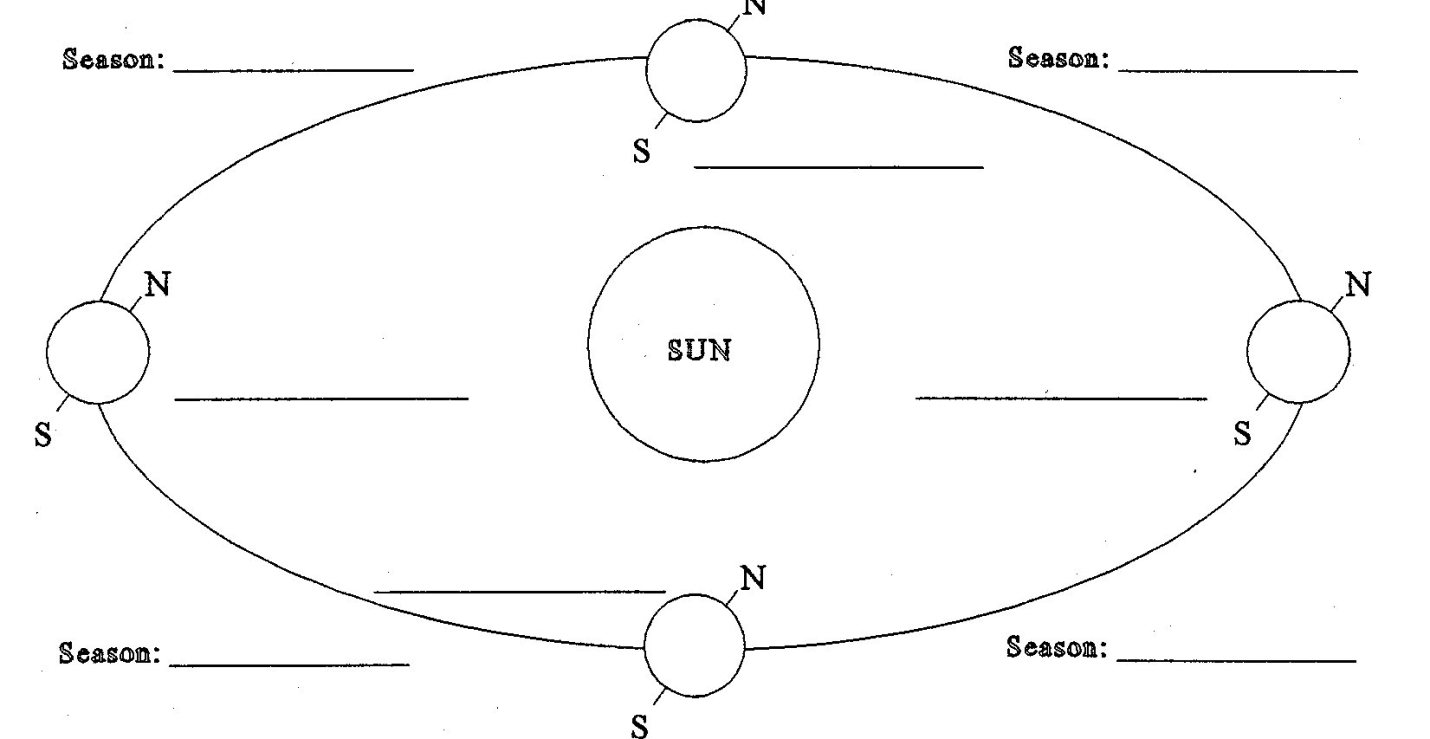
Directions: Read pages pg. 22-23 in your geography textbook before you begin the activity. After you complete the front of this, draw an image of each kind of map on the back and point to one strength and one weakness of each map.

|  |  |  |
| --- | --- | --- |
| **Type of Map/What it’s Used For** | **Strengths of This Type of Map** | **Weaknesses of This Type of Map** |
| **Lambert**  **Projection** | At the North Pole and the South Pole the land is NOT distorted. It is accurate in the center. | The land near the equator is distorted. |
| **Mercator Projection** |  |  |
| **Eckert IV Projection** |  |  |
| **Goode’s Homolosine Projection** |  |  |

**Geography Unit 1**

**Activity 5**, Reasons for the Seasons: Page 20-21

1.



Vocabulary: autumnal equinox, vernal equinox, summer solstice, winter solstice

2. Tilt determines the seasons. At what angle is the Earth tilted at with respect to the Sun? \_\_\_ degrees

3. What season does not exist along the Equator? Why?

4. If it is winter in the Southern Hemisphere, then it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the Northern Hemisphere.

5. If it is autumn in the Northern Hemisphere, then it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the Southern Hemisphere.

6. Critical Thinking: Describe the summer and winter at one of the poles

**Geography Unit 1**

**Activity 6- Pop Goes the World**

**Directions:**

1. **Mark and label the North Pole and South Pole**
2. **Draw the Equator (straight line)**
3. **Draw the Prime Meridian (use dashed)**
4. **Draw (dotted line) . . . . . Tropic of Capricorn and the Tropic of Cancer**
5. **Draw and label all 7 seven continents**
6. **Label of oceans**
7. **Put an x where you live**
8. **Put a star on three places you want to go**
9. **Put a unhappy face on a place you don’t want to**
10. **Last instruction- pop the world**