**1-1 “Themes and Elements of Geography” pg. 5-9**

**Connecting to your world and Ways of Thinking About Geography**

What two questions do geographers try to answer?

The physical surroundings of a location are its what?

Geographers study the world in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ terms.

What does it mean to study the world in spatial terms?

What two methods do geographers use to organize information?

\*\* What is geography?

**The Five Themes of Geography pg. 6**

What does the photo of Rio de Janeiro tell you about it’s location?

What are the 5 themes of geography?

The geographic theme location answers what question?

The geographic theme region answers what question?

The geographic theme human environment interaction answers what question?

\*\*Which theme asks the question, “How do people relate to the physical world?”

\*\*What question does the theme *place* ask?

\*\*Which theme asks, “How do people, goods, and ideas get from location to location?

\*\*Which theme relates to trade on the Silk Roads?

\*\*Which theme relates to the pattern of language distribution in Africa?

**Six Essential Elements pg. 7**

What are the six elements that geographers use to look at the world?

The essential element that uses maps and other geographic tools is?

One example of a physical system is: a human migration, a population explosion, a volcanic eruption, a war between neighbors

The essential element that shows the interaction of physical systems and human systems is?

The essential element that involves careers in geography is?

\*\*Which element focuses on characteristics of certain areas?

\*\*Which of the six elements is most like the theme of human-environment interaction?

\*\*Which element would focus on earthquakes?

\*\*Which element would focus on population movement?

**Explain the importance of:**

Geography-

Environment-

How does studying geography help you understand the world in which you live?

**1-2 “Technology Tools for Geographers” pg. 11-15**

**Connecting to Your World and The Science of Mapmaking**

A basic tool a geographer might use is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but it only allows for a view of half of the Earth at one time. To see a different representation of the Earth, a geographer will turn to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. A geographer who creates this tool is known as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. There are many ways to measure the land and obtain data about it, and that work is sometimes done by a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Some geographers might need to obtain data with an instrument not physically in contact with the area being studied. In that case, a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ instrument such as a satellite is used.

What were two early means of showing the Earth’s surface?

\*\*What do cartographers create?

\*\*What is one advantage that maps have over globes?

\*\*What would a remote sensing specialist be most likely to work with: hand-drawn maps, satellite data, soil samples, surveyor’s reports

\*\*Which of the following is an example of remote sensing: a surveyor, a map, a satellite camera, a computer databank

**Satellites**

Anyone who watches the weather on TV is using data from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ satellite. There are two of these satellites. One is focused on the Eastern United States and the other gathers data about the west. Another satellite is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can scan the entire Earth in 18 days.

What is a series of information gathering satellites orbiting very high above earth?

What is a type of weather satellite?

\*\* Which of the following are satellites: GIS and GOES, GIS and GPS, GOES and GPS, GOES and Landsat

\*\*Which technology helps meteorologists predict the weather?

**Global Positioning System**

A network of satellites helps you locate exactly where you are when you have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ receiver.

Which technology is used to track migrating animals: GIS, GOES, GPS, Landsat

In what ways do you think that new geography technology might aid military forces in modern warfare?

\*\*Which technology is most likely to be used in automobiles: GIS, GOES, GPS, Landsat

**Geographic Information Systems**

Geographic information can be combined into a digital database known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This high-tech tool combines maps, satellite images, and other information to show layers of information useful to geographers.

Which system is a computer based mapping technology: GIS, GOES, GPS, Landsat

Which technology was used to predict where to find debris from the Space Shuttle Columbia disaster?

**Explain the importance of:**

Map-

Cartographer-

Geographic Information Systems-

Remote sensing-

How were early geographers limited in gathering geographic information?

**1-3 “Careers in Geography” pg. 17-20**

**Connecting to Your World and Processing Geographic Data**

What is a geographer’s main activity?

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ maps and measures the land directly.

The GIS is likely to need employees who are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ specialists.

What are three requirements for most careers in geography?

**Advising Businesses and Government**

Who are the two major employers of geographers?

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ studies an area to find the best location for a client.

A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a geographer who studies weather patterns.

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ creates plans for improving part of a city.

Which of the following pairs of geographers is most likely to work together: climatologist and surveyor, location analyst and teacher, location analyst and surveyor, remote sensing specialist and teacher

\*\*What does a climatologist do?

\*\*What does an urban planner do?

\*\*What does a location analyst do?

\*\*Which geographer would advise where to build an airport so it is close to convention centers?

**Physical and Human Geography**

Another name for physical geographers is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The term \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ refers to the study of the way the shape of the earth changes.

It is the job of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to study social, political, and economic issues.

Geographers teach a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ levels of education.

What questions do all types of geographers ask?

\*\*What branch of geography would determine how a volcanic eruption might affect the surrounding lands?

**Explain the importance of:**

Location analyst-

Climatologist-

Urban planner-

**Read each clue and answer the question.**

Clue: A government agency hired me to analyze a social and economic problem. Who am I?

Clue. I know a lot about geomorphology and study how the shape of the Earth changes. Who am I?

Clue: I helped find the best spot for a resort in Mexico. Who am I?

Clue: I’m a geographer who studies the climate. Who am I?

Clue: I’m helping to plan a new mass transit system with the city government. Who am I?

Clue: I map and measure the land. Who am I?

\*\***Test Essay Question**

Which types of geographic tools and technology do you use in your everyday life?

 -Think about

 -ways you learn about location

 -ways you plan routes

 -ways that you learn about weather

\*\***There will also be various maps and graphs on the test.**