

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

Connecting to your world and Ways of Thinking About Geography

What two methods do geographers use to organize information?

What two questions do geographers try to answer?

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

The physical surroundings of a location are its what?

Geographers study the world in _____ terms.

** 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 region answers what question?

The geographic theme location 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 involves careers in geography is?

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

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

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

**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

**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?

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

1-3 "Careers in Geography" pg. 17-20

Connecting to Your World and Processing Geographic Data

What is a geographer's main activity?

What are three requirements for most careers in geography?

A _____ maps and measures the land directly.

The GIS is likely to need employees who are _____ specialists.

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 _____ creates plans for improving part of a city.

A _____ is a geographer who studies weather patterns.

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

What questions do all types of geographers ask?

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 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.**