Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**GEOGRAPHY OF EUROPE:**

**STUDY GUIDE PART 3**

Population Distribution & Trade

1. What makes the United Kingdom ideal for international banking and world trade

It is an island with many ports and the home of many international banks.

1. Describe the Gulf Stream and its effect on the climate of the United Kingdom.

The Gulf Stream warms the water around the United Kingdom, giving the country a mild climate considering its location far north.

1. What weather condition makes it difficult for shipping to occur along Russia’s northern coastline?

The ports stay frozen most of year, making shipping difficult.

1. Define the term permafrost.

Permafrost describes land that stays frozen all year long.

1. Describe Germany’s climate.

Cool winters, mild summers, with good precipitation for crops.

Environmental Issues

1. Describe the Great Smog of 1952, including the country where it occurred.

The Great Smog occurred in London, United Kingdom and was an event when smog (air pollution) was so intense, people couldn’t see outside. Thousands died from the pollution.

1. Which country experienced a nuclear disaster in 1986? What happened?

A nuclear reactor exploded at power plant in Chernobyl, Ukraine. Many were sickened by the radiation exposure. The area is still uninhabitable.

1. Why is acid rain a problem in Germany? Which areas are most effected?

Automobiles and factories have released pollution into the air, causing acid rain. Germany’s Black Forest has been severely damaged by the acid rain.

*Directions: Complete the chart below by providing two causes, two effects, and two solutions for each issue.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***CAUSES*** | ***EFFECTS*** | ***SOLUTIONS*** |
| **Acid Rain in Germany** | * Acidic air mixes with the clouds
* Smoke from factories and power plants
* Cars & buses burn gasoline and diesel
 | * Destroying trees in Germany’s Black Forest
* Erodes stone statues, buildings, and monuments
* Pollutes rivers (Danube and Rhine)
 | * Developing new types of energy (wind and solar)
* Passed laws to reduce factory and car emissions
* Building taller smokestacks that scrub smoke
 |
| **Air Pollution in the UK** | * Directly caused from vehicle and factory emissions
* Burning coal and other fossil fuels
 | * Reduces quality of air
* Endangers human, animal, and plant life
* Causes acid rain
 | * Government asks citizens to drive less
* Government created smokeless zones
* Limits placed on industries burning fossil fuels
 |
| **Nuclear Disaster in Chernobyl, Ukraine** | * Nuclear reactor explodes or malfunctions
* Reactor not managed properly
* Can also be caused by atomic weapons or bombs
 | * Radiation sickness
* People, plants and animals severely harmed or killed
* “Exclusion zones” created- areas of land that are no longer inhabitable
 | * Bury nuclear reactors
* Eliminate the use of nuclear power or weapons
 |