



# Closed Notes: Environmental Issues of Europe

SS6

Student will

Acid



Rain

\_\_\_\_\_ | growth in Europe hurt the \_\_\_\_\_ ---- and has created serious health risks.

\_\_\_\_\_ in \_\_\_\_\_ is a huge problem! Acid rain is formed when gases released into the air by the burning of \_\_\_\_\_ fuels, like coal or oil. In the 1990's the former country of East Germany burned massive amounts of brown coal to produce \_\_\_\_\_. When burned, brown coal gives off a gas called sulphur dioxide the gas mixes with moisture in the air, so when it rains, the rain is \_\_\_\_\_ with sulphur dioxide.

\_\_\_\_\_ of plays a part in the acid rain. The toxic smoke from \_\_\_\_\_ plants is carried by air \_\_\_\_\_ to other places before it falls to \_\_\_\_\_ as acid rain. \_\_\_\_\_ shares its borders with many other countries, therefore, Germany's problem with acid rain becomes problems for the nearby countries as well.

In Southern Germany, plants that use \_\_\_\_\_ power from streams and rivers in the region are replacing many \_\_\_\_\_ - \_\_\_\_\_ factories. The government has \_\_\_\_\_ laws to \_\_\_\_\_ emissions from automobiles and factories. Cars must have special convertor fitted to the exhaust system. Factories are switching to \_\_\_\_\_ fuels, and building taller smokestacks that scrub smoke before it enters the air.

Germany is also developing \_\_\_\_\_ types of \_\_\_\_\_. It is the leading producer of wind turbines and solar power technology in the world.

Factories	
Cars	
Government	



## Air Pollution

\_\_\_\_\_ in the UK has been caused mainly by \_\_\_\_\_ from factories or from homes burning \_\_\_\_\_ for heat. When the pollution mixes with fog it creates \_\_\_\_\_ hovering over cities. In 1952 \_\_\_\_\_ deaths were recorded due to the Great London Smog of 1952.

Today most of the smog related problems in the UK are caused by \_\_\_\_\_ from \_\_\_\_\_ and trucks and from \_\_\_\_\_. Pollutants from cars include carbon monoxide and nitrous oxides. They hover close the ground, \_\_\_\_\_ the air people breathe. Ozone adds to the problem, forming when air pollutants mix and react with sunlight to form smog.

The UK Government has been working war to \_\_\_\_\_ air smog. The government has \_\_\_\_\_ emissions standards for vehicles, endorsed the use of \_\_\_\_\_ fuels, and urged citizens to use public transportation like buses and subway "Underground" systems.

## Nuclear Disaster in Chernobyl, Ukraine



### Fast Facts!

Ukraine is famous for tis fertile plains and agriculture!

The blast in Chernobyl released 100 times more radiation than the two atomic bombs released near the end of WWII.

In April of 1986, a \_\_\_\_\_ reactor exploded at the \_\_\_\_\_ nuclear power plant in Ukraine causing the \_\_\_\_\_ nuclear \_\_\_\_\_ in history. At the time the Ukraine was still apart of the Soviet Union! \_\_\_\_\_ radioactive material shot into the air and drifted over parts of the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ Roughly 10,000 acres of \_\_\_\_\_ forest, crops, and \_\_\_\_\_ were destroyed.

Nearly 135, 000 people were \_\_\_\_\_ and resettled in other areas. About 30 people died in the blast, and thousands more who up the site eventually died from \_\_\_\_\_ poisoning.

The \_\_\_\_\_ effects of the disaster have been \_\_\_\_\_ farmland, surface water, and groundwater. Today the area near the blast is still considered one of the most \_\_\_\_\_ and most polluted places on Earth.

Many adults and children living near the area have been diagnosed with cancer as a result of the horrible blast.



**Read the National Geographic Article and answer the questions that follow.**