

Causes of Acid Rain

The Great Lakes / St. Lawrence region of southeastern Canada is the site of most of the nation's industrial _____, commercial shipping, _____ and coal-burning _____ plants, etc. While this boom in business is great for the economy, it has its negative effects on the environment with _____.

Vehicle exhaust and the smoke released from burning coal has created an ecological phenomenon known as _____. _____ is toxic rain which results when noxious gases are released into the atmosphere and mix with water molecules. Acid rain results when noxious gases – such as _____ dioxide, sulfur _____, and _____ oxide – combine with water molecules in clouds.

Effects of Acid Rain

When these clouds filled with pollution get too heavy they the rain that is released is _____. Through the water cycle, toxic water flows over the ground and into _____. _____ are manmade lakes that are used to farm fish.

Sometimes the acid rain falls onto Canada's many _____. When this happens it slowly kills all trees starting from the top down. Since _____ is a large part of Canada's GDP this hurts their exports because dead or dying lumber cannot be used as for lumber exports.

When acid rain falls on monuments, statues, and building it _____ breaks down the _____. While this may take a long period of time, its presence is known from before and after pictures of statues, buildings, and monuments.

Who Is to Blame?

While some of Canada's pollution problems come from within the country between ____ - ____% of the pollution which causes acid rain is actually coming from _____ and _____ on the _____ side of the border.

Solution

The Canadian government has passed laws calling from stronger _____ of _____ and _____ exhaust _____. Factories are required to have filters and new vehicles are

SS6G5 Explain the impact of environmental issues in Canada

required to get better gas mileage. It has also encouraged its citizens to use mass _____. U.S.-Canadian cooperation will be required to fully eliminate this ecological threat though.

Cause of Mineral Extraction

Canada's mining industry is concentrated in the _____ region which surrounds Hudson Bay. This area contains large deposits of gold, silver, copper, zinc, lead, iron ore, uranium, and nickel. Although the mining industry is very lucrative, the processes used to extract Canada's mineral wealth (i.e., _____ and _____) are bad for the _____.

Effects of Extraction

_____ released from mining equipment reduces the air _____, and _____ runoff from mining processes often contaminates water supplies.

Solution for Extraction

The Canadian government has passed _____ to limit the amount of mining-related pollution allowed in its waterways, namely in an effort to protect _____ and _____ safety. By limiting the amount of mining in and around water ways, pollution from the mines have declined.

Cause of Timber Extraction

Canada's forests are a source of _____, _____, and _____. Like mining and account for a large part of Canada's exports. However, there is an environmental downside to the timber industry.

Effects of Timber Extraction

The destruction of natural habitats caused by _____ - _____ is critical. _____ - _____ is the cutting down and completely removing all trees in a given area. Additionally, the heavy machinery used for logging frequently _____ the soil of the forest floor such that new growth is _____.

The Canadian _____ has done quite a bit in recent years to limit the damage associated with _____. As a result, Canada's deforestation rate is currently the _____ in the world.