

# Industrialization and the depletion of the ozone layer.

Industrialization is the development of industries in a country on a wide scale. Individual manual labor is often replaced by mechanized mass production, and craftsmen are replaced by machines. The emergence of capitalism, European imperialism, efforts to mine coal, and the effects of the Agricultural Revolution all led to the industrial revolution. Capitalism was a central component necessary for the rise of industrialization. The freeing of the labourer from customary obligations created a free market in labour, with a crucial role for a specific social type, the entrepreneur.

The rise in industries has caused the release of Carbon monoxide into the atmosphere causing the depletion of the ozone layer. The ozone layer is a layer in the earth's stratosphere at an altitude of about 10 km (6.2 miles) containing a high concentration of ozone, which absorbs most of the ultraviolet radiation reaching the earth from the sun. With a weakening of this shield, we would be more susceptible to skin cancer, cataracts and impaired immune systems.

Depletion consists of two related events observed since the late 1970s, which was the start of the rise of industrialization :a steady lowering of about four percent in the total amount of ozone in Earth's atmosphere (the ozone layer), and a much larger springtime decrease in stratospheric ozone around Earth's polar regions. The latter phenomenon is referred to as the "ozone hole". There are also springtime polar tropospheric ozone depletion events in addition to these stratospheric events. The United State's EPA regulates more than 80 different toxins that can be found in industrial pollution, from asbestos and dioxin to lead and chromium. In spite of these

regulations, industries are among the worst generators of air pollution in the world.

Industrialization in Nigeria was brought in by colonization. Industries are setting up every day from the Agbara industrial estate in Lagos to other heavily industrialized states in the country. The increase has brought about an increase in green house gases, that lead to the depletion of the ozone layer.

Although industrialization is important a few guidelines could be put in place to reduce pollution. First, industries can reduce their reliance on a product that is causing pollution. One good example is removing lead from gasoline in the 1970s. We've lowered our dependence on lead, which reduced the amount of this heavy metal being leached into the surrounding environment. other option is to treat industrial waste to remove toxic components so that the rest of the waste can be disposed of safely.