

# ENVIRONMENTAL SCIENCE: AIR POLLUTION

## KEY FACTS

- 
- Air is the Earth's atmosphere - it is the clear gas in which living things live and breathe
- Air has no colour or smell but has mass and weight
- Air pollution is when unwanted chemicals, gases, and particles enter the air and the atmosphere causing harm to animals and damaging the natural cycles of the Earth
- Some sources of air pollution come from nature
- Pollutants include eruptions of volcanoes, dust storms, and forest fires
- Human air pollution is caused by things such as factories, power plants, cars, airplanes, chemicals, fumes from spray cans, and methane gas from landfills
- Air pollution can make it difficult to breathe and cause diseases such as respiratory infections and heart disease
- Environmental effects of air pollution include global warming, damaging ozone layer and acid rain
- Walking, cycling, zero-emission buses and electric cars can help reduce air pollution because they do not create dangerous emissions
- Less energy use, like electricity or gasoline, can also help reduce air pollution

## AIR POLLUTION

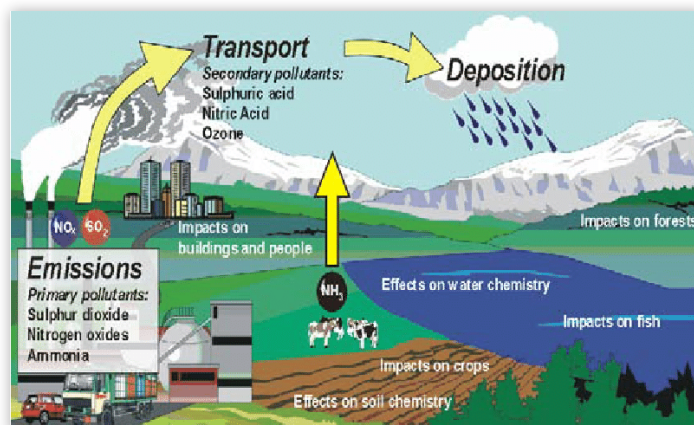


Image ©Research Gate

## WORKING SCIENTIFICALLY



**OBSERVING**



**ASKING QUESTIONS**



**COLLECTING AND  
RECORDING DATA**



**PRESENTING FINDINGS**



**TESTING/EXPERIMENTING**



**MEASURING**



**PREDICTING**



**CONCLUDING**



**WRITING SCIENTIFICALLY**

## KEY VOCABULARY



- 
- Atmosphere** - the envelope of gases surrounding the earth or another planet.
- Pollutant** - a substance that is harmful to the environment.
- Natural cycle** - the natural process of elements changing into various forms in a continuous cycle.
- Respiratory** - allowing to breathe and exchange oxygen and carbon dioxide throughout the body.
- Global warming** - increase in the overall temperature on the earth,
- Ozone layer** - a layer in the earth's upper atmosphere, which absorbs harmful radiation reaching the earth from the sun.
- Acid rain** - rain, sleet, hail or snow that carries acidic gases.
- Emissions** - anything that's been released out into the open.

## SIGNIFICANT PEOPLE



**Hilton Kelley** is a leading environmental activist who gave up a Hollywood acting career to move to Port Arthur, Texas, a town that's known for having some of the most toxic air in the country.