

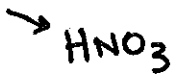
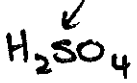
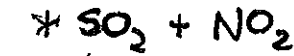
## Acid Precipitation

What is it?

Normal precipitation has a pH of 5.7 ( $H_2O$  vapor interacts w/  $CO_2$  which causes it to be more acidic)

↳ Acid Precipitation is rain or snow w/ a pH of  $< 5.7$

Cause



← man made causes (see smog notes) & natural sources (forest fires, volcanoes, etc)

← other man made (anthropogenic) causes:

- mines

- construction sites

\* These atmospheric conditions get moved around by weather.

Environmental Impacts

- acidification of surface  $H_2O$
- harms plants (esp. trees)
- damage sensitive soils & orgs. that live in them.
- Damage sculpture & buildings
- Damage to paints on cars
- Can leave a deposit on buildings

Health Impacts

- Gasses are harmful
- acid precipitation itself has little impact

Controlling Acid Precipitation

- Reduce  $NO_x$  &  $SO_x$  ← scrubbers
- ← cleaner vehicles
- ← electric vehicles