

CAUSES OF ACID RAIN

Burning Coal:

Produces energy and gives off sulfur dioxide (SO,) gas



CAUSES OF ACID RAIN

Burning Oil & Natural Gas: Car engines produce *nitric oxide (NO*) gas Mixed with air water vapor produces sulfuric and nitric acid solutions



ENVIRONMENTAL EFFECTS



EFFECTS: *TREES*

Stunted growth & damaged bark & leaves





EFFECTS: <u>LAKES</u>

Kills fish eggs *before* ever being born
Birds die from eating "toxic" fish



EFFECTS: <u>BUILDINGS</u>

Dissolves stonework (sandstone or limestone)



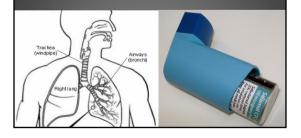
EFFECTS: TRANSPORTATION

- Railway and airplane parts corroded
- Collapsed bridges due to corrosion



EFFECTS: <u>HUMANS</u>

- Major respiratory problems
- ♦ Asthma, dry coughs, headaches, etc



POSSIBLE SOLUTIONS

Reduce energy use Use **renewable** energy (wind, solar, tides) Increase **public transportation**

