

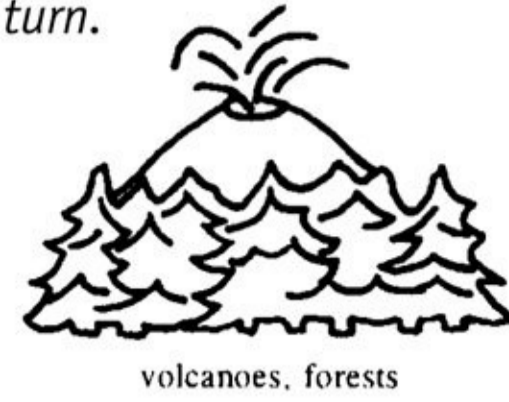
PARTICULATE MATTER (PM)

Your diesel trucks need engine maintenance.
Add one PM and Toxic to your atmosphere.



You burn small, hot fires with seasoned wood in your woodstove.
Remove one PM and Toxic from your atmosphere.

Volcanoes, pollen, forest fires and trees add natural pollutants to the atmosphere.
Lose one turn.



SULFUR DIOXIDE (SO₂)

You have a coal-burning furnace.
Add one SO₂ to your atmosphere.

To reduce acid rain, your local power plant switches to low sulfur coal or oil and installs scrubbers to remove SO₂ from your smokestream.
Remove one SO₂ from your atmosphere.

You voice your concerns to your legislators.
Every player may remove one pollutant from their atmosphere.

OZONE (O₃)



Your family reduces their energy use.

BREATHE THE FRESH AIR AND TAKE ANOTHER TURN.



dry cleaners

You have a headache from CO or toxic exposure.
Lose one turn.

Start here
GREEN SPACE
You may remove any one pollutant.

You are careful not to let your car idle for very long.
Remove one CO, PM and VOC from your atmosphere.

Your woodburning stove gives off CO, PM and Toxics.
Add one of each to your atmosphere.

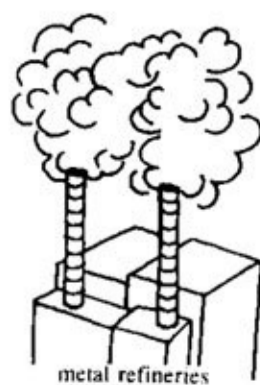


CARBON MONOXIDE (CO)

Regional wind patterns carry pollutants long distances.
Take one pollutant from each category and add it to your atmosphere.

You buy a new car that uses an alternative fuel or is a low emissions vehicle.
Remove one O₃ and PM from your atmosphere.

You live near a metal refinery or have found lead paint and pipes in your home.
Add one Pb to your atmosphere.



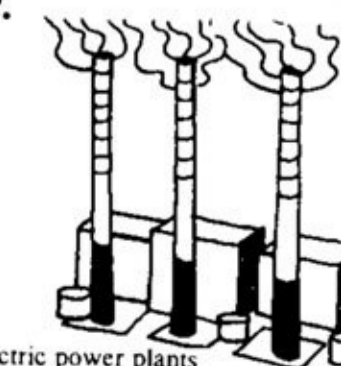
LEAD (Pb) and HAZARDOUS AIR POLLUTANTS (HAPs or TOXICS)

Your sink cabinet and garage contain toxic cleaning solvents and other poisons which increase your risk of cancer.
Lose one turn.



You regularly have your car tuned up.
Remove one NO_x and O₃ from your atmosphere.

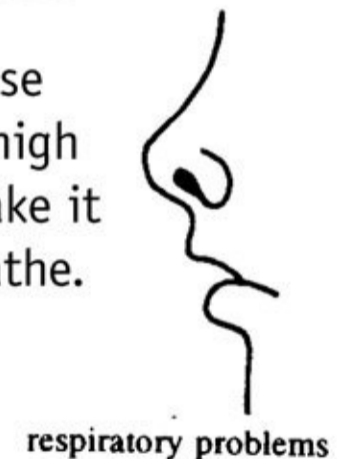
Your local power plant burns coal.
Add one NO_x to your atmosphere.



NITROGEN OXIDES and VOLATILE ORGANIC COMPOUNDS (NO_x and VOC)

The Clean Air Act passes.
BREATHE THE FRESH AIR AND TAKE ANOTHER TURN.

You can't exercise today because high ozone levels make it difficult to breathe.
Lose one turn.



respiratory problems

You ride your bike to work each day instead of driving.
Remove one ozone from your atmosphere.

Every member of your family commutes to work alone each day.
Add one ozone to your atmosphere.

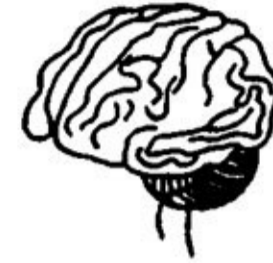
The Clean Air Game



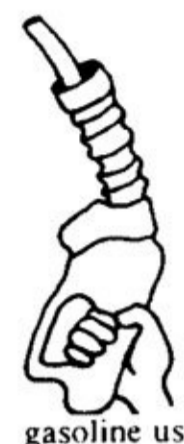
1. Start on a Green Space.
2. Take turns rolling die and moving game pieces. Read aloud and follow instructions on each space you land on. If you land on a pollutant space, add one of that pollutant to your score.
3. Record scores on a tally sheet.
4. The team or player with the lowest score (cleanest air) wins.



contaminated crops



brain damage



gasoline use



heart damage



dead aquatic life



less oxygen in blood



global warming



smog



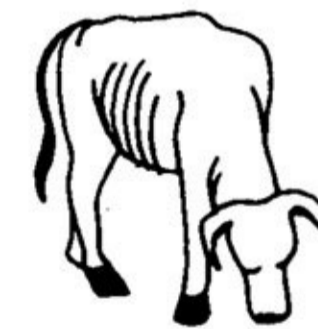
reduced alertness



damaged forests



eye irritation



contaminated livestock



lung damage