

Your school diesel engine bus needs engine service

**Add one PM and SOx/NOx to the atmosphere.**



**Particulate Matter [PM]**

You burn small hot fires with seasoned wood when preparing meals

**Remove one PM from the atmosphere**



Volcanoes, pollen, veld fires and trees add natural pollutants to the atmosphere

**Lose one turn**



**Sulphur Dioxide [SO<sub>2</sub>]**

You use a coal burning stove



**Add one SO<sub>2</sub> to your atmosphere**

To reduce SOx and NOx, the local power station burns low sulphur coal and installs low NOx burners and FGD

**Remove one SOx and one NOx**



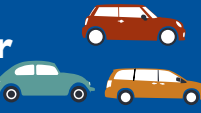
You voice your concern on air quality to the environment authority

**Remove one pollutant from atmosphere**

**Ozone [O<sub>3</sub>]**

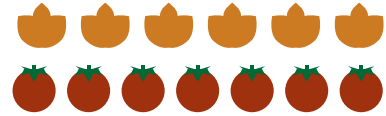
Every member of your family drives to work in their own car

**Add one Ozone to your atmosphere**



Your family reduces their energy use.

**Breathe fresh air and roll the dice**



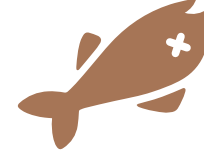
**Veg patch**



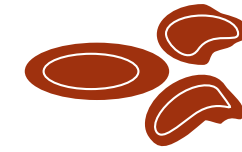
**Petrol / diesel**



**Damaged heart**



**Fish kill**



**Low O<sub>2</sub> in blood**

**Remove one Ozone from your atmosphere**

You ride your bicycle to school or to the shops each day instead of being driven



**Remove one Ozone from your atmosphere**

You have a headache from inhalation of toxic fumes



**Dry cleaners**

**Lose one turn**

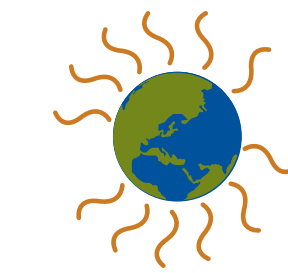
**The clean air board game**



**Clean air for a better Life Quality for all**

**Eskom | Powering your world**

**Start**



**Global warming**

**Start**



You don't allow your vehicle to idle for long periods



**Remove one PM, CO & VOC**

You cannot exercise or play outside today because high smog levels make it difficult to breathe

**Remove one Ozone from your atmosphere**

Regional wind patterns carry pollutants for long distances, eg: Waterberg priority area

**Take one pollutant from each category and add to your atmosphere**

**Carbon Monoxide [CO]**

Your paraffin stove gives off CO and toxic fumes

**Add one of each pollutant to your atmosphere**



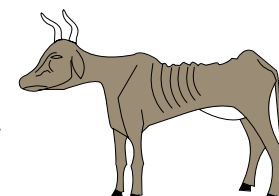
**Haze**



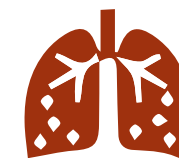
**Damaged forests**



**Eye irritation**



**Sick animals**



**Lung disease**

You buy a new car that uses an alternative fuel or is a low emission vehicle [Hybrid car]



**Remove one O<sub>3</sub> and PM from your atmosphere**

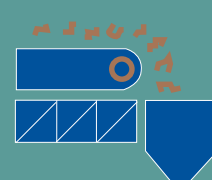
Your kitchen sink cabinet and garage contain toxic cleaning solvents which increase the risk of cancer



**Lose one turn**

**Lead [Pb] Hazardous air pollutants [HAPs or Toxics]**

You live near a metal refinery



**Add one Pb to your atmosphere**

You regularly have your unleaded/low sulphur diesel car maintained



**Remove one NOx and O<sub>3</sub> from your atmosphere**



Your local power station burns coal

**Add one NOx to your atmosphere**

**Nitrogen Oxide Volatile Organic Compound [NOx VOC]**

