Health and Environmental Concerns of Petroleum Combustion

Carbon Monoxide Poisoning

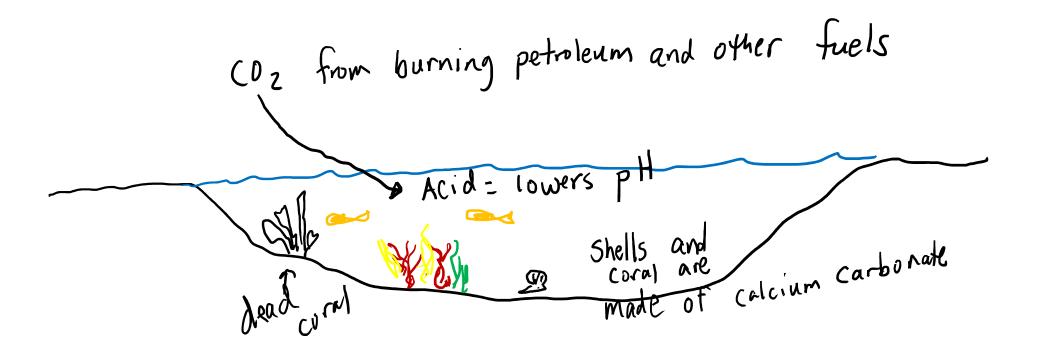
Burning any petroleum product in a <u>Combustion</u> reaction produces canbon monoxide
Faulty appliances produce even higher levels
Four ventilation can trap and concentrate carbon monoxide
Binds to oxygen receptors 200x more readily than 0z to produce sickness and even death.

Signs of carbon monoxide poisoning



Ocean Acidification

CO2 released by burning petroleum reacts with water produce an acid, which lowers ocean water pH.
Acid ocean water is currently eroding reef organisms and other calcium carbonate organisms at a rapid rate.



Environmental Concerns Resulting From Combustion Reactions SUN Atmosphere "Greenhouse Effect" results in -results in climate Change CO_2 CO_2 CO_2 CO_2 CO_2 (02 (02 (02 Concentrated greenhouse Gases acts like a "blanket" gases hold heat in. (02Heat is trapped, Similar to a greenhouse Ol Ocean Acidification 🛿 Heat + Light 1002 -> nonnetal oxide + waker -> acid CO2 + 1+20 - + H2CO2 Summary of Burning Fossil Fuels Greenhouse Effect - lowers Ocean water pH Releases greenhouse and Ocean which erodes calcium Acidification gases Tike CO2. carbonate - based organisms and prevents the offspring to even grow. - Coral reets are dying everywhere in our oceans. LAND Copyright ©2016 John Wiley & Sons, Inc. 35 OCEAN