GREENHOUSE EFFECT

the warming of the earth's atmosphere through trapping of solar radiation by greenhouse gases

release of substances in the environment which have harmful effects

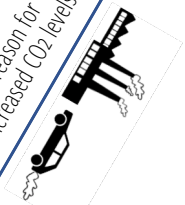
DEFORESTATION

consequences of acid rain

another reason for increased CO2 levels

radiation emitted by sun

one reason for increased CO2 levels

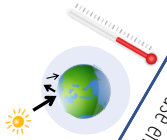


an enhanced greenhouse effect

POLLUTION

WATER VAPOUR

example of a green house gas



greenhouse effect (image)

SHORT-WAVE RADIATION

one way to reduce CO2 emission by cars

environmental hazard sign

pollutants released by factories and cars causing acid rain

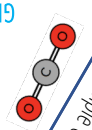
REFORESTATION

radiation trapped and reflected by greenhouse gases

GLOBAL WARMING

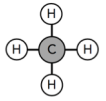
one way to increase photosynthesis

CARBON DIOXIDE



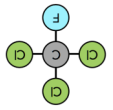
example of a green house gas

METHANE

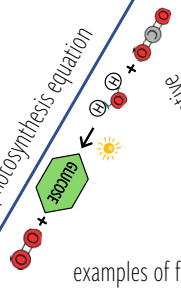


example of a green house gas

CFCs



photosynthesis equation



example of alternative energy source

WIND POWER

SULFUR DIOXIDE
NITROGEN OXIDES

examples of fossil fuels

another effect of global warming

FLOODS AND DROUGHTS

LONG-WAVE RADIATION

SULFURIC ACID
NITRIC ACID

acids formed as SO2 and NOx combine with rain

one effect of global warming

how everyone can protect the environment

REDUCE
REUSE
RECYCLE

RICE PADDIES
LANDFILLS

how trees lock away CO2

PHOTOSYNTHESIS

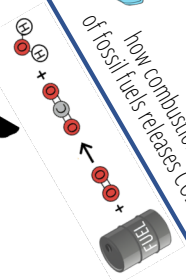
example of a green house gas

GAS, COAL, OIL

water pollution (image)

MELTING OF ICE CAPS

how combustion of fossil fuels releases CO2



CATTLE BELCHING

one reason for increased methane levels

another reason for increased methane levels

BREAKDOWN OF ORGANIC MATTER BY MICROBES

where microbes break down organic matter