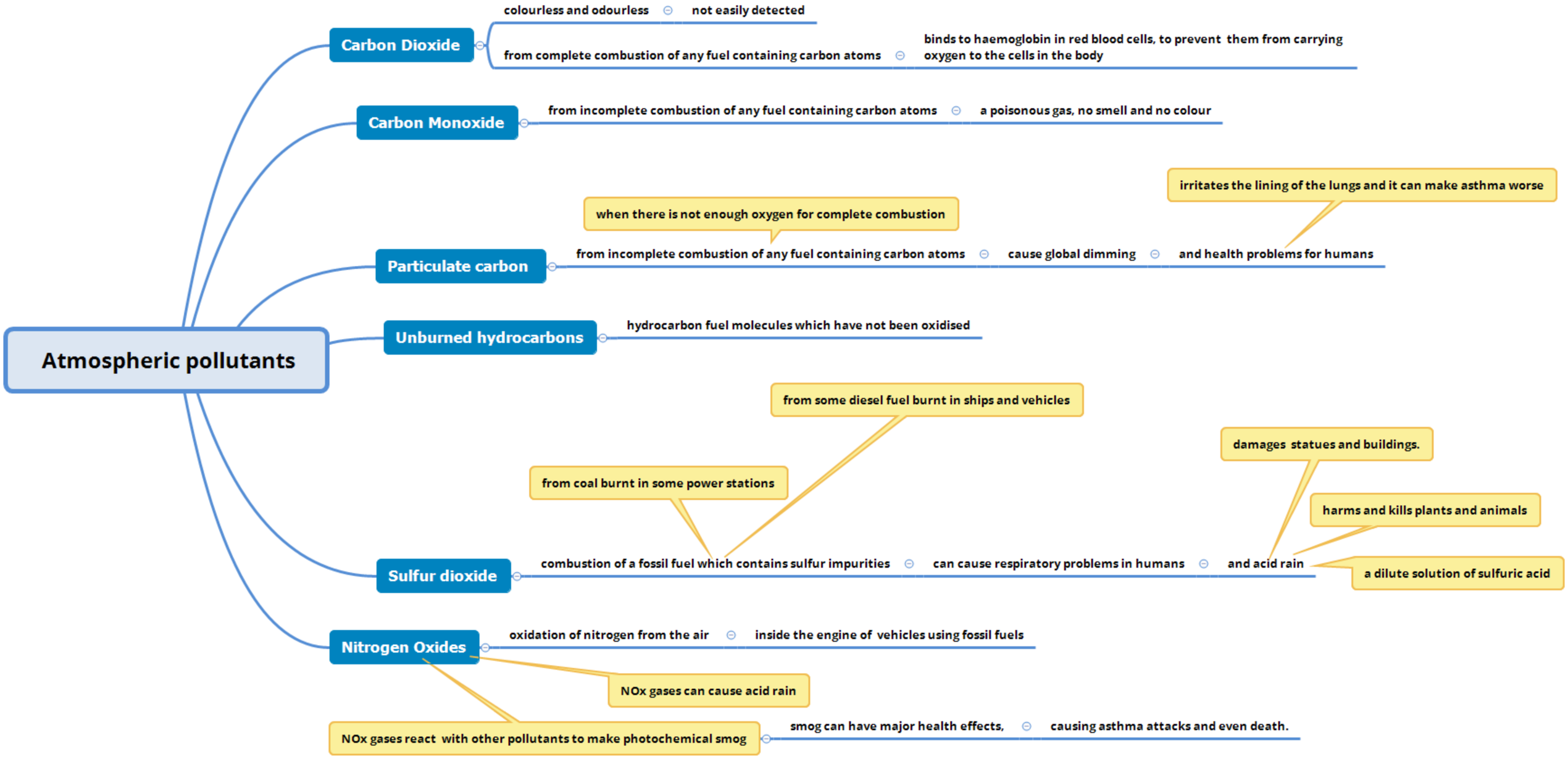
Atmospheric pollutants
Carbon Dioxide
colourless and odourless
not easily detected
from complete combustion of any fuel containing carbon atoms
binds to haemoglobin in red blood cells, to prevent them from carrying oxygen to the cells in the body
Carbon Monoxide
from incomplete combustion of any fuel containing carbon atoms
a poisonous gas, no smell and no colour
Particulate carbon
when there is not enough oxygen for complete combustion
from incomplete combustion of any fuel containing carbon atoms
cause global dimming
and health problems for humans
irritates the lining of the lungs and it can make asthma worse
Unburned hydrocarbons
hydrocarbon fuel molecules which have not been oxidised
Sulfur dioxide
from some diesel fuel burnt in ships and vehicles
from coal burnt in some power stations
combustion of a fossil fuel which contains sulfur impurities
can cause respiratory problems in humans
and acid rain
damages statues and buildings.
harms and kills plants and animals
a dilute solution of sulfuric acid
Nitrogen Oxides
oxidation of nitrogen from the air
inside the engine of vehicles using fossil fuels
NOx gases can cause acid rain
NOx gases react with other pollutants to make photochemical smog
smog can have major health effects,
causing asthma attacks and even death.