

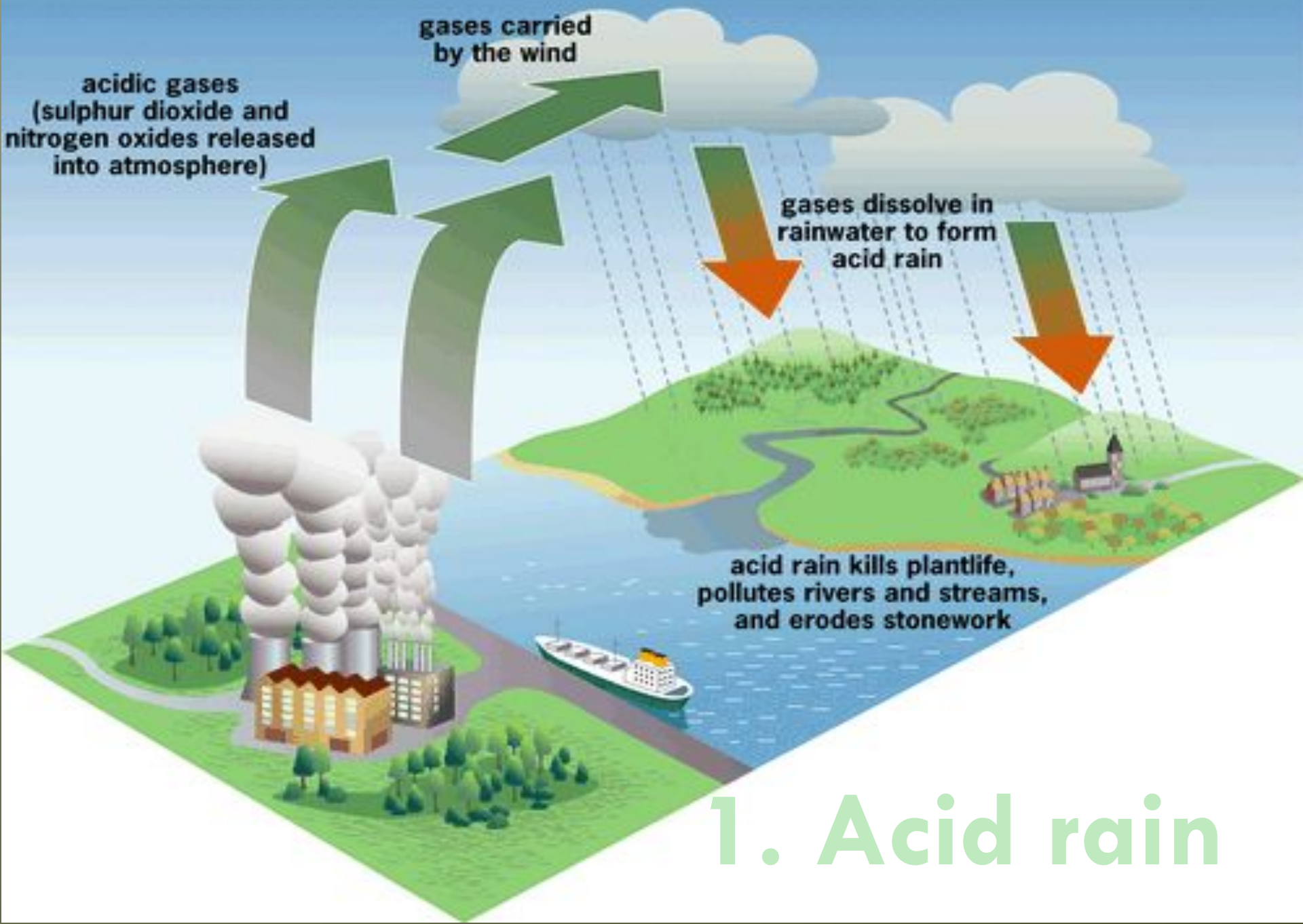
Environment and Ecology

Ecology is the science of how living things are related to their environment.

The environment problems of today:

- **littering;**
 - **air pollution smog;**
 - **water pollution;**
 - **overcrowding, overpopulation;**
 - **endangered species animals which are almost extinct;**
 - **destruction of national resources;**
 - **land pollution;**
 - **greenhouse effect;**
 - **deforestation;**
 - **radiation;**
- **earth quakes;**
 - **global warming;**
 - **the hole in the ozone layer.**

The sources of pollution



1. Acid rain



The reasons of formation of acid rains:



Mineral fertilizers

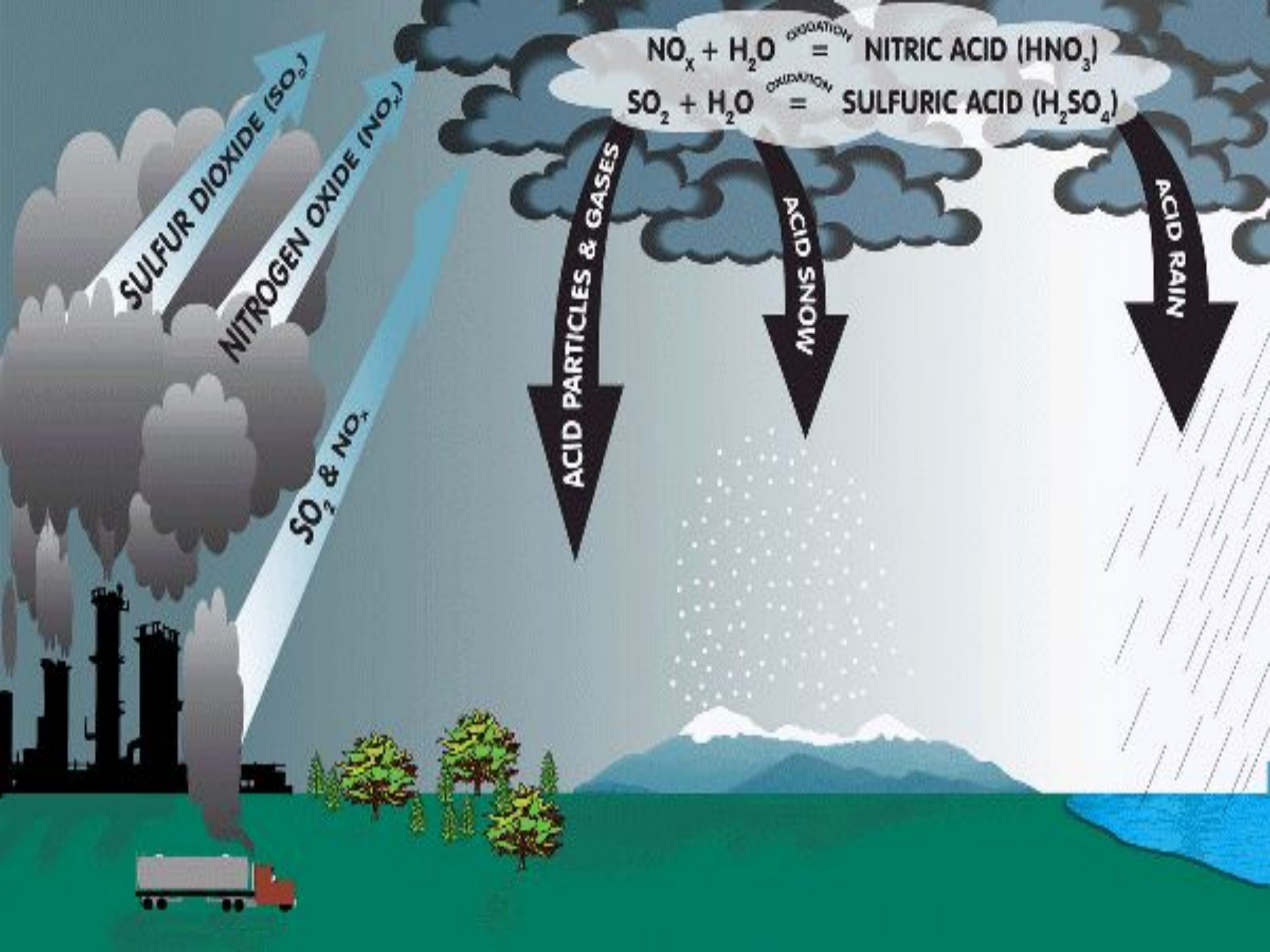
Fuel burning

Fuel of planes

Motor transport

Oil refining

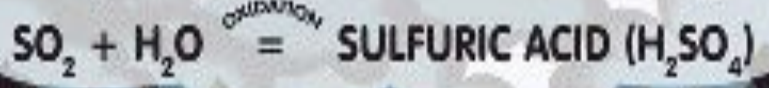
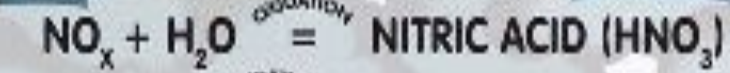




SULFUR DIOXIDE (SO₂)

NITROGEN OXIDE (NO_x)

SO₂ & NO_x



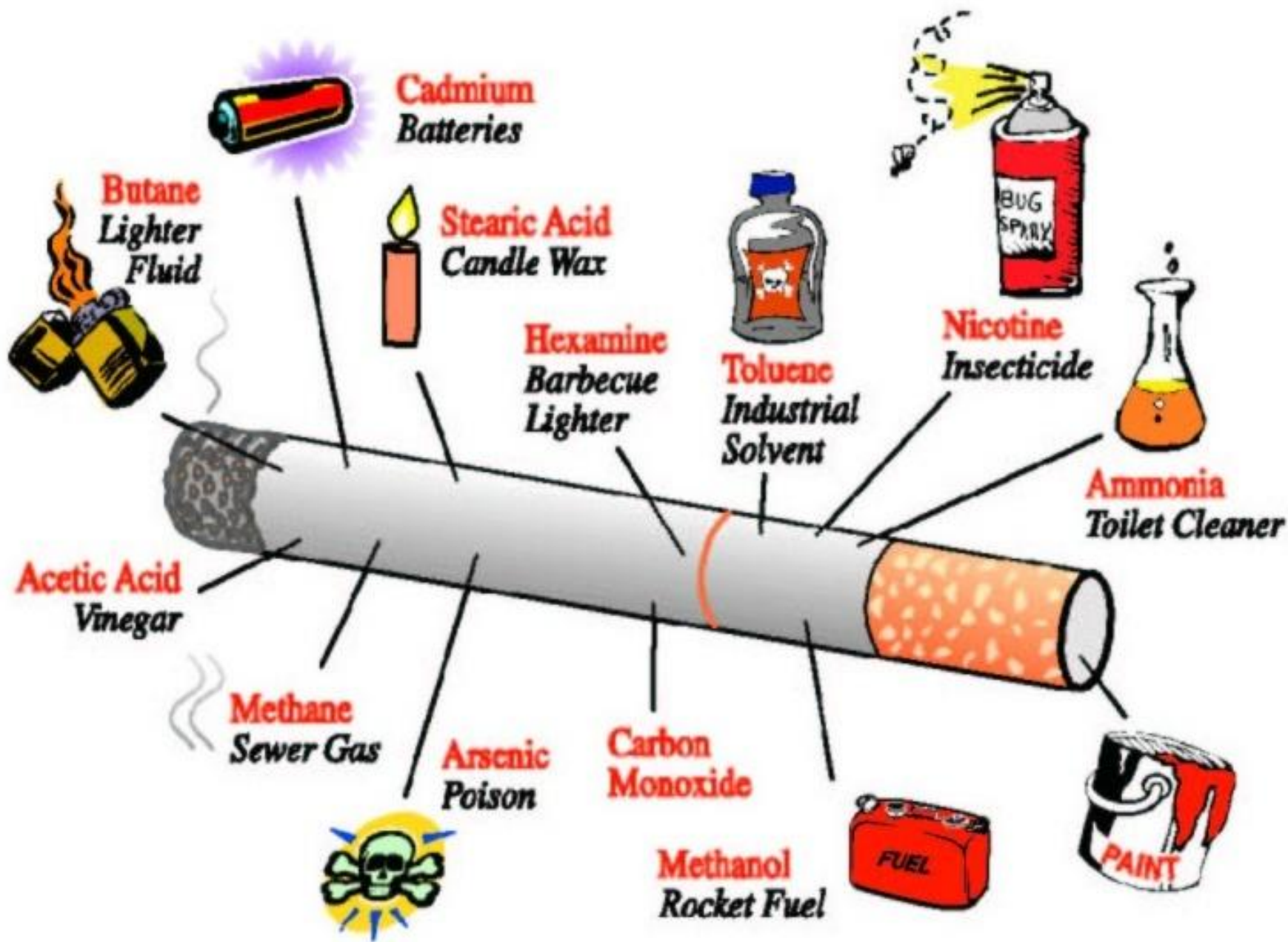
ACID PARTICLES & GASES

ACID SNOW

ACID RAIN

2. Smoking





3. Sulfates and other chemicals



4. Using of aerosol



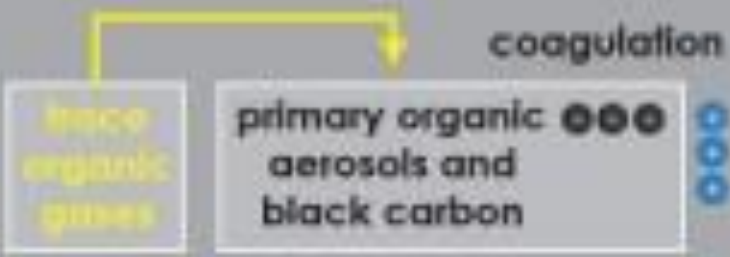
6am

6pm

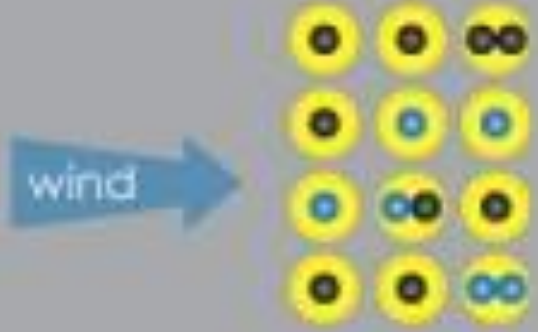
background aerosol

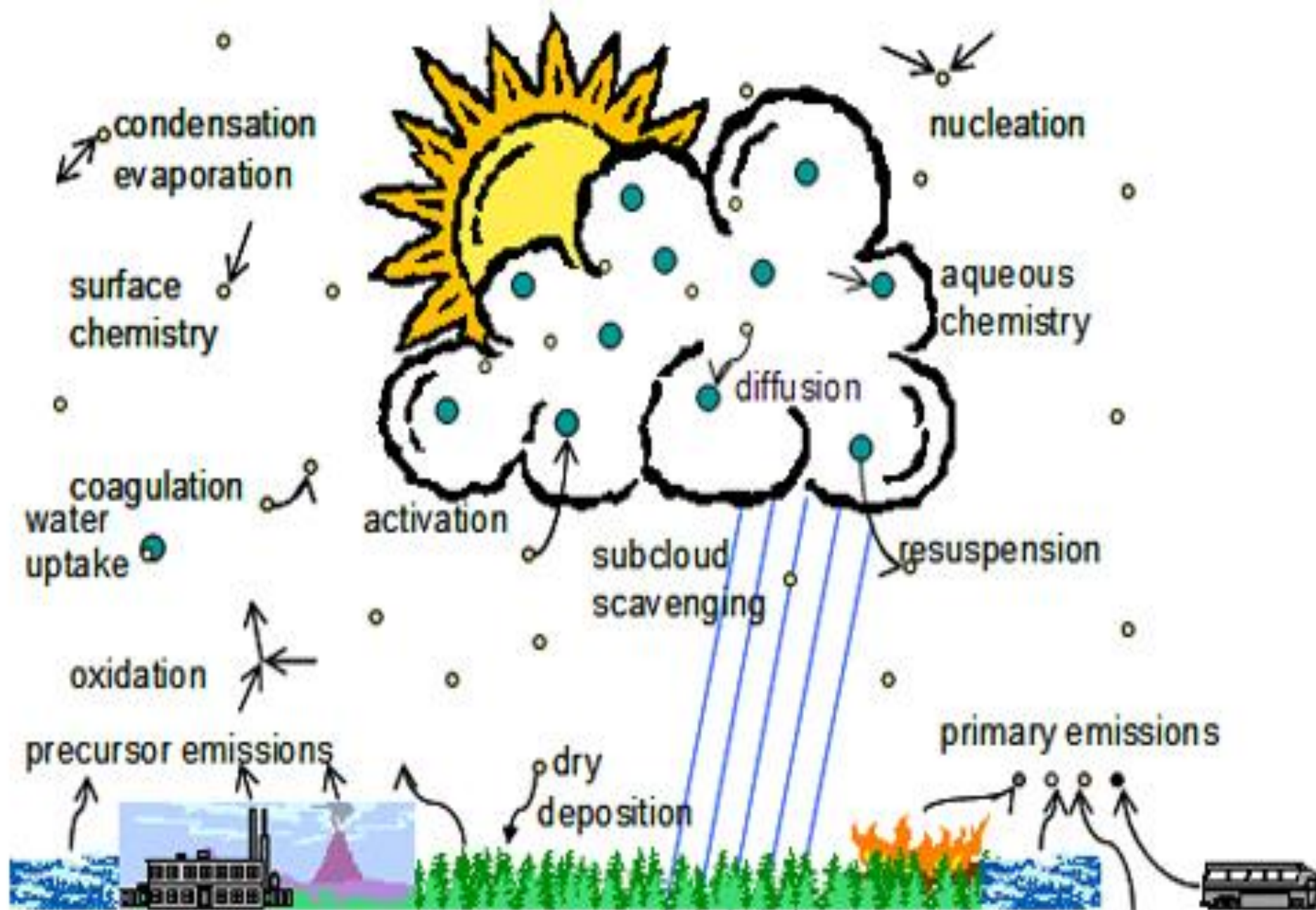


polluted mixed layer
photo-oxidation + condensation



mix of POA, SOA, black carbon, and inorganic aerosols





5. Garbage

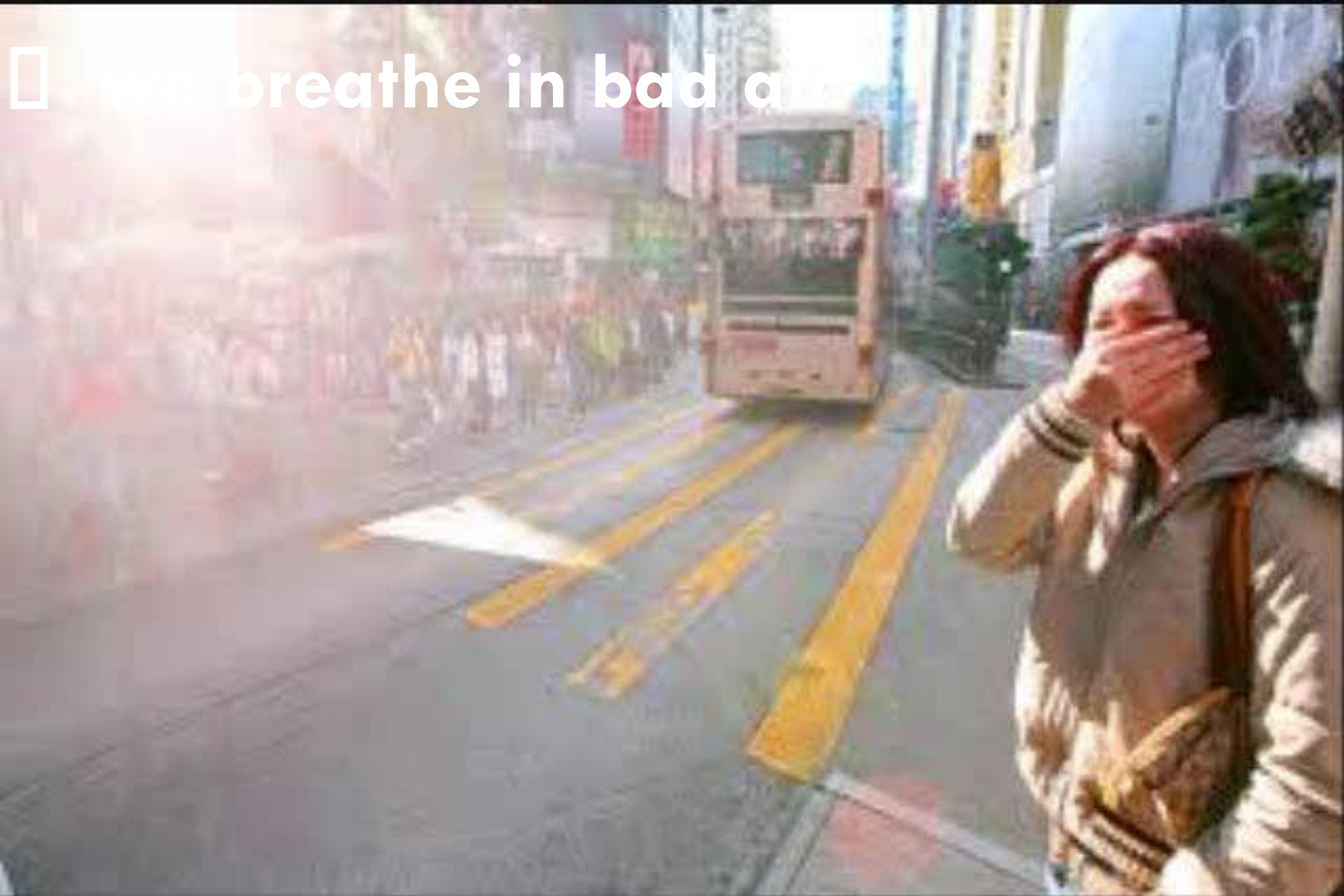




**6. Bad breath of
factories and cars**

**What happens to
people**

□ We breathe in bad air





**Protect children: don't make
them breathe your smoke**

The Korea Herald

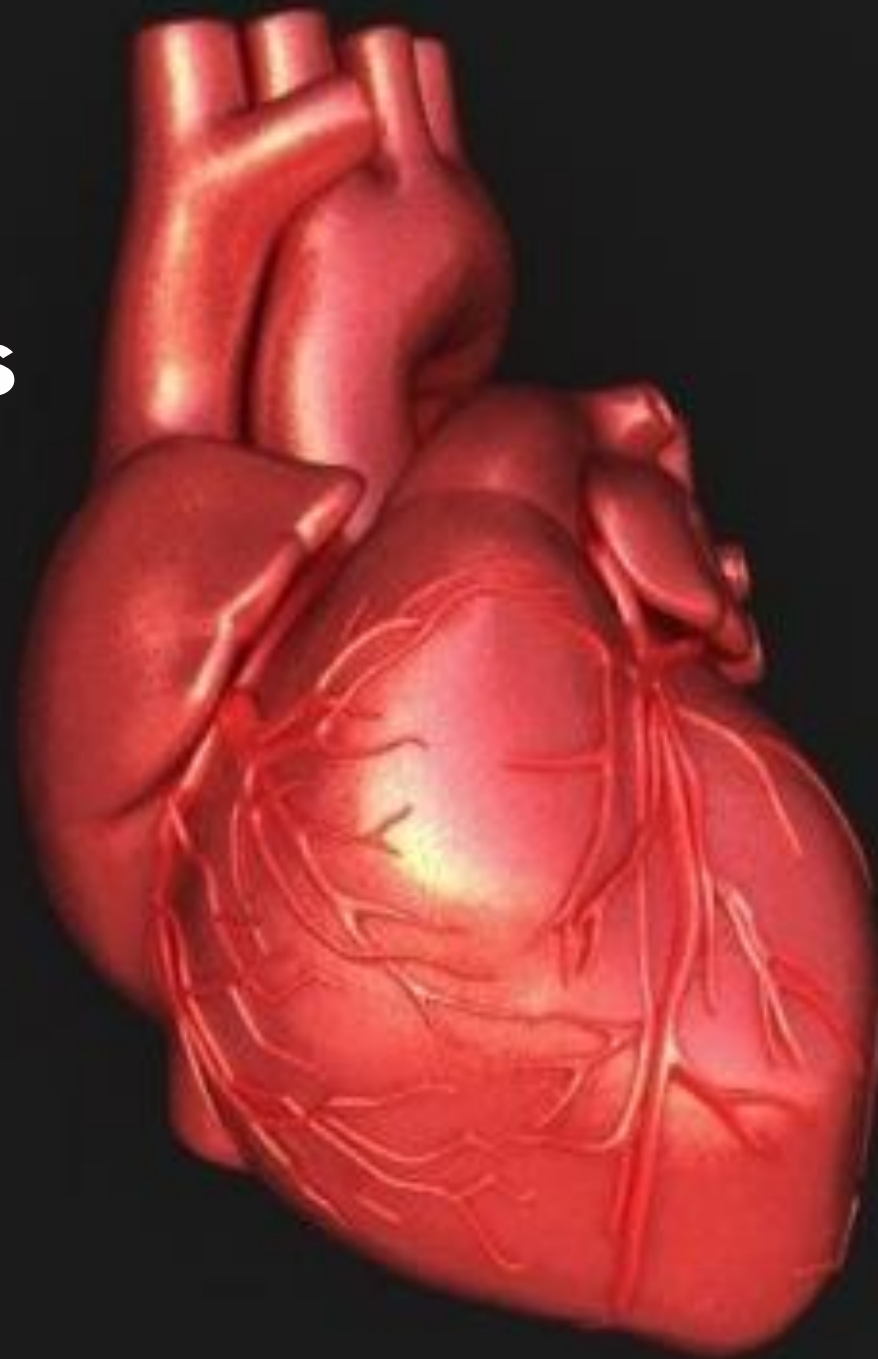
□ we eat poisoned food



How to prevent food poisoning

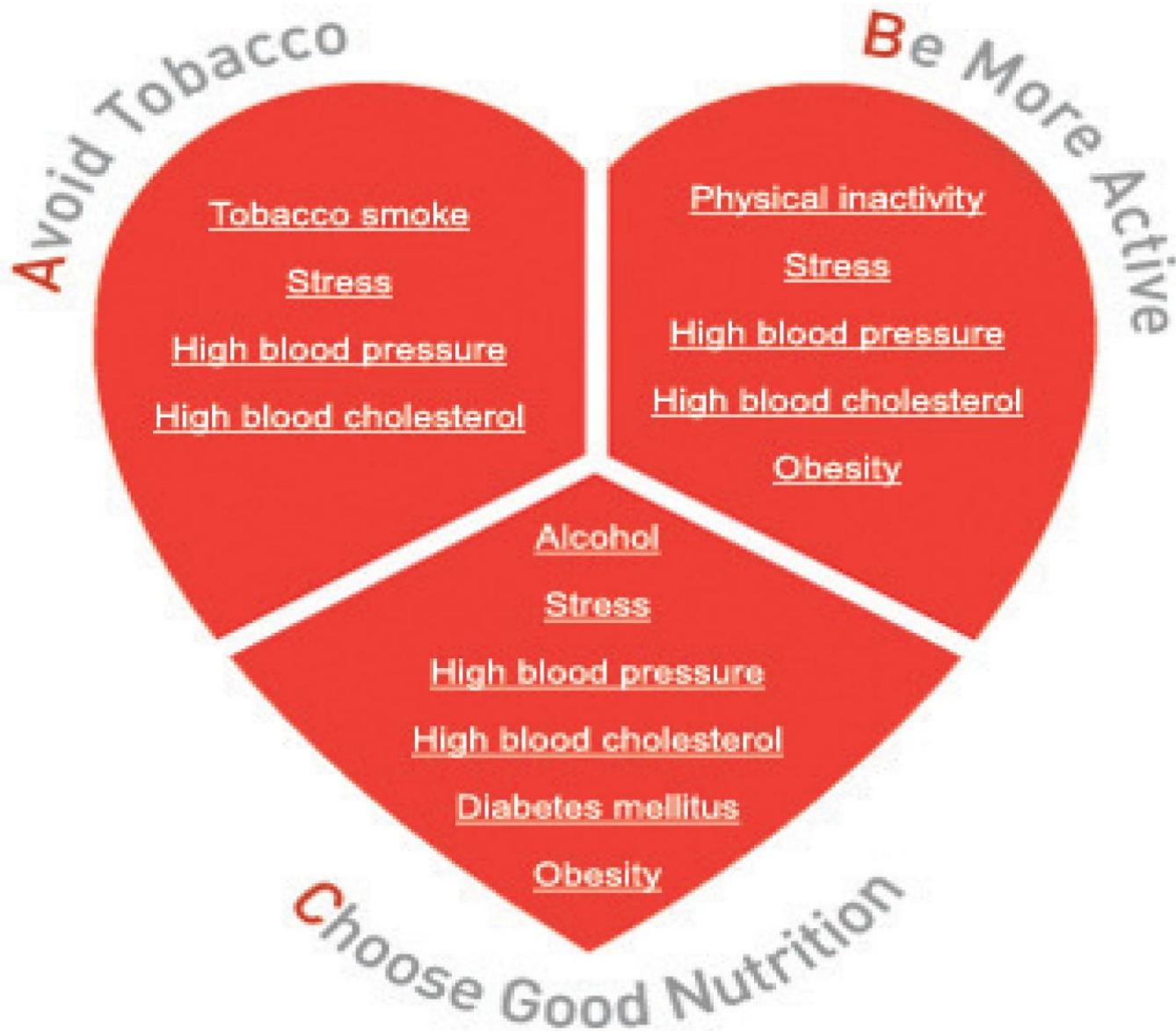


□ we get
heart
diseases



How people can get heart disease

www.mebe1duba.ru



□ we get cancer and lung diseased



□ we get tired very quickly



YOU CAN . . .



SAVING ENERGY

I'm doing my part



to save energy!





RESIGN ENVIRONMENT FRIENDLY PRODUCTS



**From
Garbage
to Garden**

It's Compost Time!

**...but if you want ecology give
an example**

