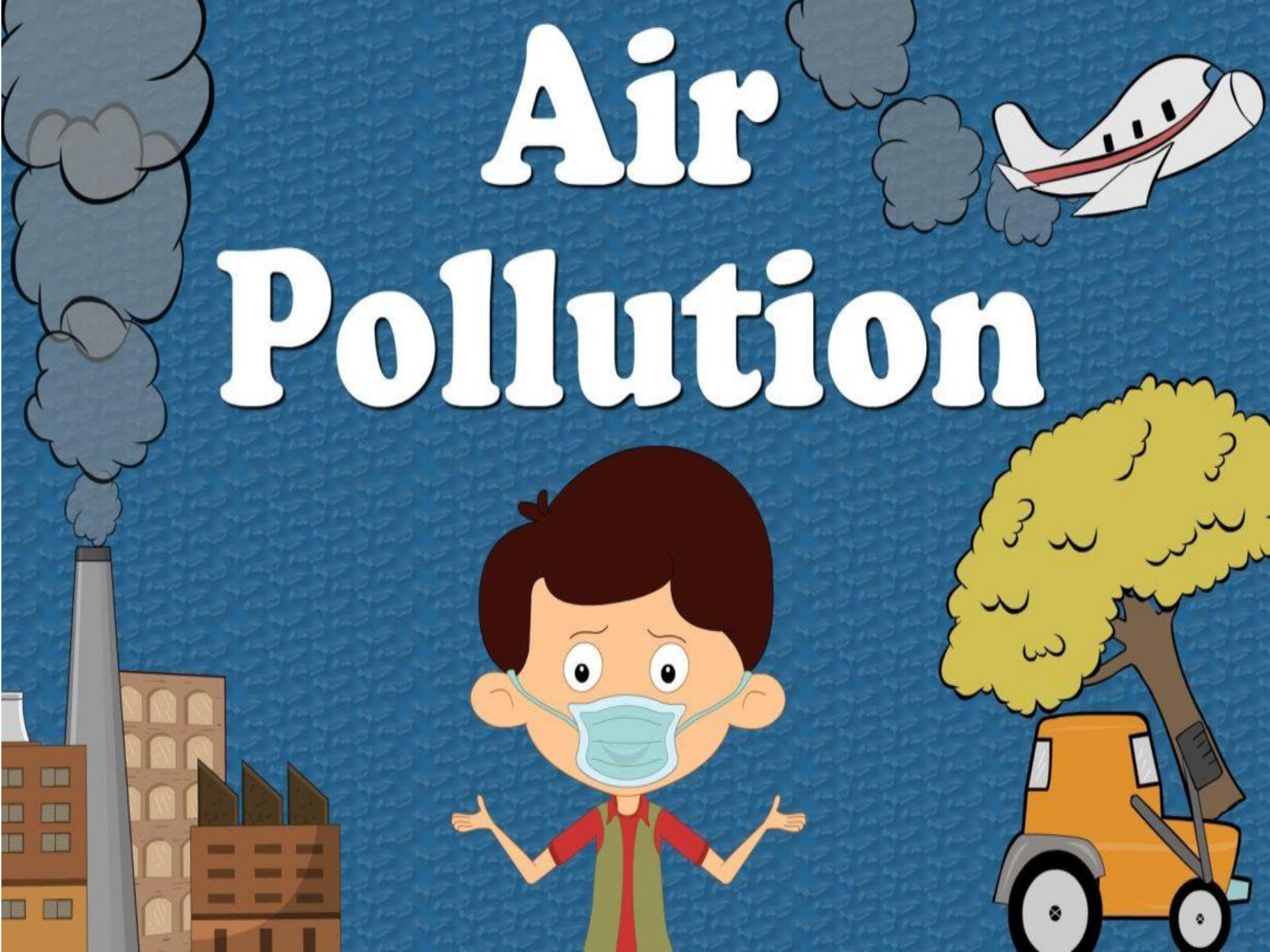


# Air Pollution





In Poland air pollution is currently the biggest problem.

This is due to the public lack of awareness that the worse fuels they use to heat their homes,  
the worse the quality of the air is.

# *WHAT IS AIR POLLUTION?*

The release of harmful materials into the atmosphere by human and natural activities.

Air pollution occurs when the air contains gases, dust and fumes in harmful amounts.

The substances that cause air pollution are called **pollutants**.



# *WHAT IS SMOG?*

## *SMOKE + FOG = SMOG*

Smog is a combination of several air pollutants that form smog. They are released in the air when fuels are burnt. In the case of Poland, especially in Silesia solid fuels (coal and firewood) other pollutants in Poland come from industry and transport.

So the problem increases when winter comes in Poland and people burn coal for heat.

# *AIR POLLUTION IN KATOWICE*

In Katowice they point to the very poor state of air quality.

According to data from the Provincial Inspectorate for Environmental Protection in Katowice, emissions from household chimneys account for about 55% of air pollution.

Industrial emissions and car exhausts - 35%.

The problem only occurs in winter when cheap polluted coal and garbage are put in to domestic stoves.

# OUR SCHOOL HAS A SMOG METER

## The results on 2 nd November

### Stan powietrza

PM<sub>2.5</sub>

Na zewnątrz

23.63 µg/m<sup>3</sup>

Ocena



PM<sub>10</sub>

26.25 µg/m<sup>3</sup>

Temperatura

11.12°C

Partner

Wilgotność

98.40%



Ciśnienie

993.67 hPa

# WHAT CAUSES THE AIR POLLUTION?

Due to



Cutting of trees



Burning of wood



Burning of fossil fuels



Smoke released from  
factories and industries



Smoke released from  
vehicles

our air is getting polluted

# NEGATIVE EFFECTS



LEARNING  
JUNCTION

## EFFECTS ON HUMAN



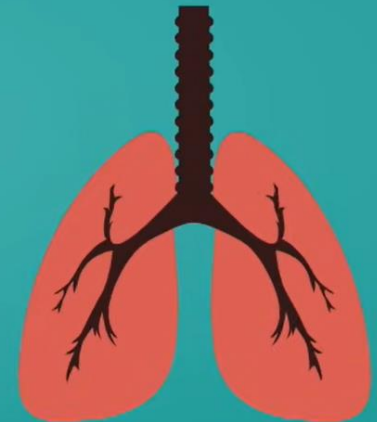
Headache



Dizziness



Nasal Irritation



Lung Diseases

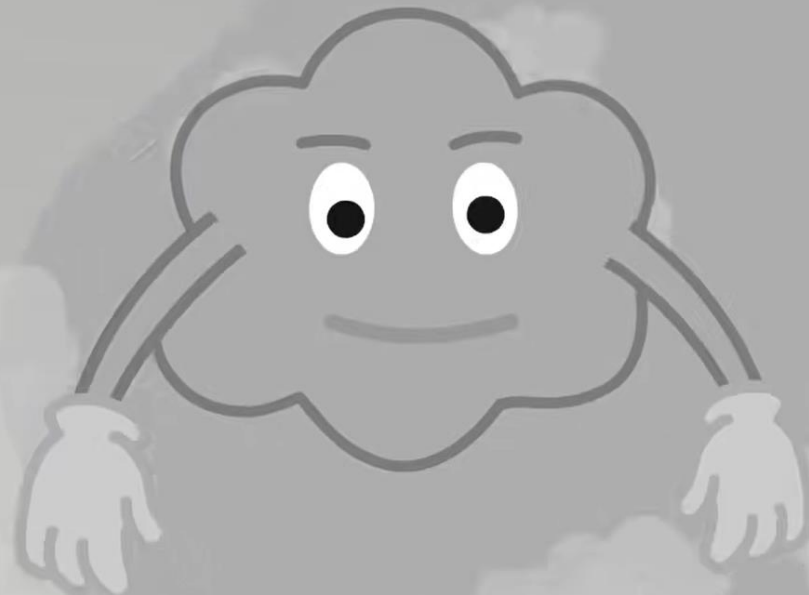


# IT EFFECTS THE VEGETATION OF PLANTS



LEARNING  
JUNCTION

## EFFECTS ON PLANTS

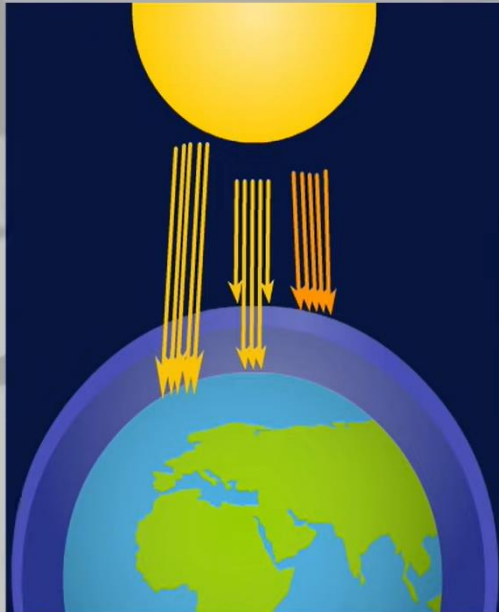


Fluoride is very dangerous for plants.

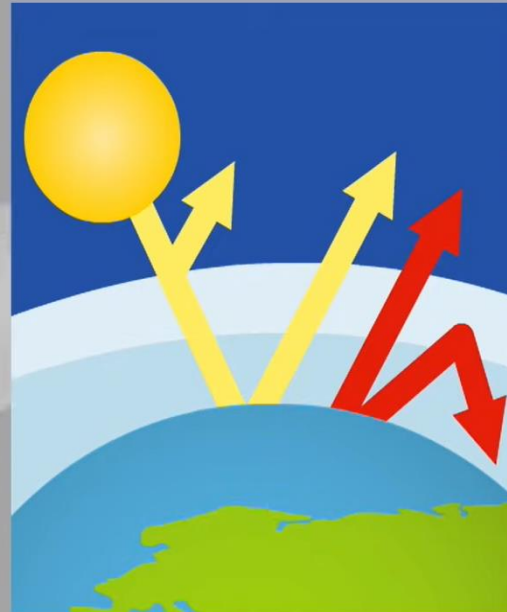
# *IT INTENSIFIES ...*



## EFFECTS ON ATMOSPHERE



Ozone Layer Decay



Greenhouse Effect



Global Warming



**STOP**

# DEFORESTATION





# PLANT TREES







# CAR EXHAUST

Smoke released from  
vehicles



# USE PUBLIC TRANSPORT





WALK OR RIDE A BIKE  
WHENEVER YOU CAN



Walk. Bike. Ride.

# *OUR ADVICES TO DEAL WITH SMOG*

1. Check the daily reports.
2. When air pollutions levels are high, avoid prolonged outdoor activities.
3. Avoid outdoor exercise when smog is in the air.
4. Invest in a smog mask.
5. Also invest in an air purifier with a HEPA filter.
6. You can fight to reduce air pollution by reducing household waste, recycling, or for example cycling.
- 7 .Eat a lot of vitamins and take care of your body.
8. Equip your apartment with plants.
9. Do not ventilate your apartment too often.