

SCIENCE PROJECT • CLASS 8

Air Pollution

Causes, effects and clean-air habits

MADE BY
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CLASS
8 – B

SCHOOL
Your School Name



02 | Agenda

01

Introduction

04

Activity

02

Facts

05

Conclusion

03

How it works

03 | What is air pollution?

Air pollution means harmful gases, smoke and dust mixing with the air we breathe.

Vehicles, factories, burning waste and crop stubble release pollutants. They harm our lungs, plants and buildings, and add to climate change.



Picture of air pollution

01

FACTS

05 | Amazing facts

PM2.5

tiny particles that enter lungs

AQI

index that measures air
quality

Winter

when smog is often worst

06 | Main pollutants

01

Particulates

Dust, smoke and soot.

02

Gases

Nitrogen oxides, sulphur dioxide.

03

Ozone

Harmful near the ground.

02

HOW IT WORKS

08 | How smog forms



Emit

Vehicles and factories



Trap

Cold air holds pollutants



React

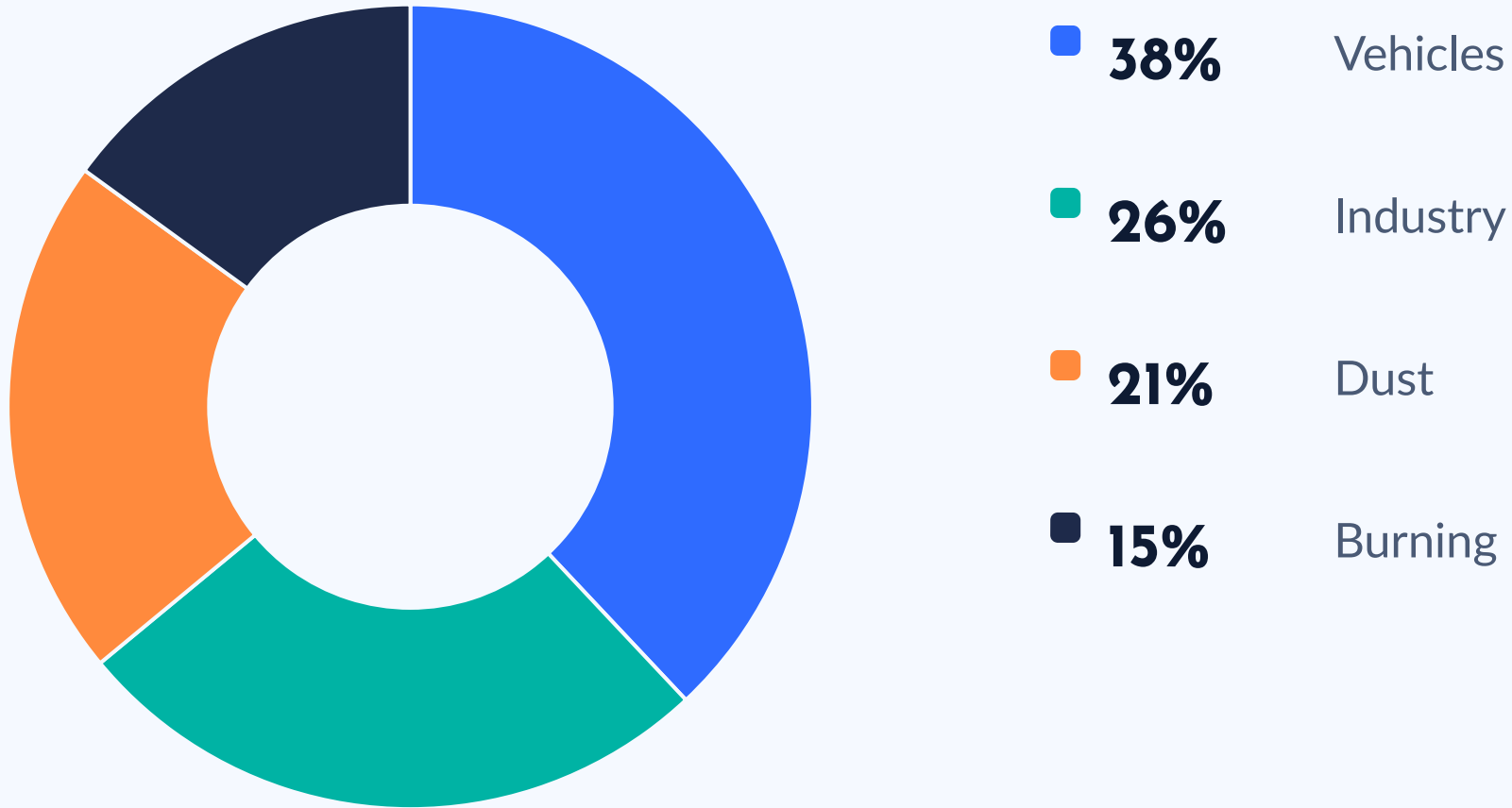
Sunlight forms ozone



Smog

Hazy, unhealthy air

09 | Sources of city air pollution (sample)



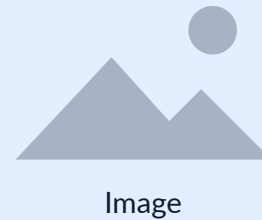
Sample data for illustration.

03

ACTIVITY

11 | Our activity

- Smear petroleum jelly on a white card
- Hang it outside for three days
- Look at the dust stuck to it
- Compare cards from different places



12 | Clean vs polluted air

Clean air

- ✓ Clear blue sky
- ✓ Easy breathing
- ✓ Healthy plants

Polluted air

- Hazy sky
- Coughing and asthma
- Damaged leaves

04

CONCLUSION

14 | What we can do

01

Walk or cycle

For short trips.

02

No burning

Never burn waste or leaves.

03

Plant more

Indoor and outdoor plants.



We do not inherit the earth from our
ancestors; we borrow it from our
children.

A WELL-KNOWN SAYING

Thank you!

Breathe easy, act today!

Ananya Gupta · Class 8