

SCIENCE PROJECT · CLASS 8

Air Pollution

Causes, effects and clean-air habits

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CLASS
8 – B

SCHOOL
Your School Name



Agenda

01

Introduction

02

Facts

03

How it works

04

Activity

05

Conclusion

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



DID YOU KNOW?

Amazing facts

PM2.5

tiny particles that enter
lungs

AQI

index that measures air
quality

Winter

when smog is often
worst

Main pollutants

01

Particulates

Dust, smoke and soot.

02

Gases

Nitrogen oxides, sulphur dioxide.

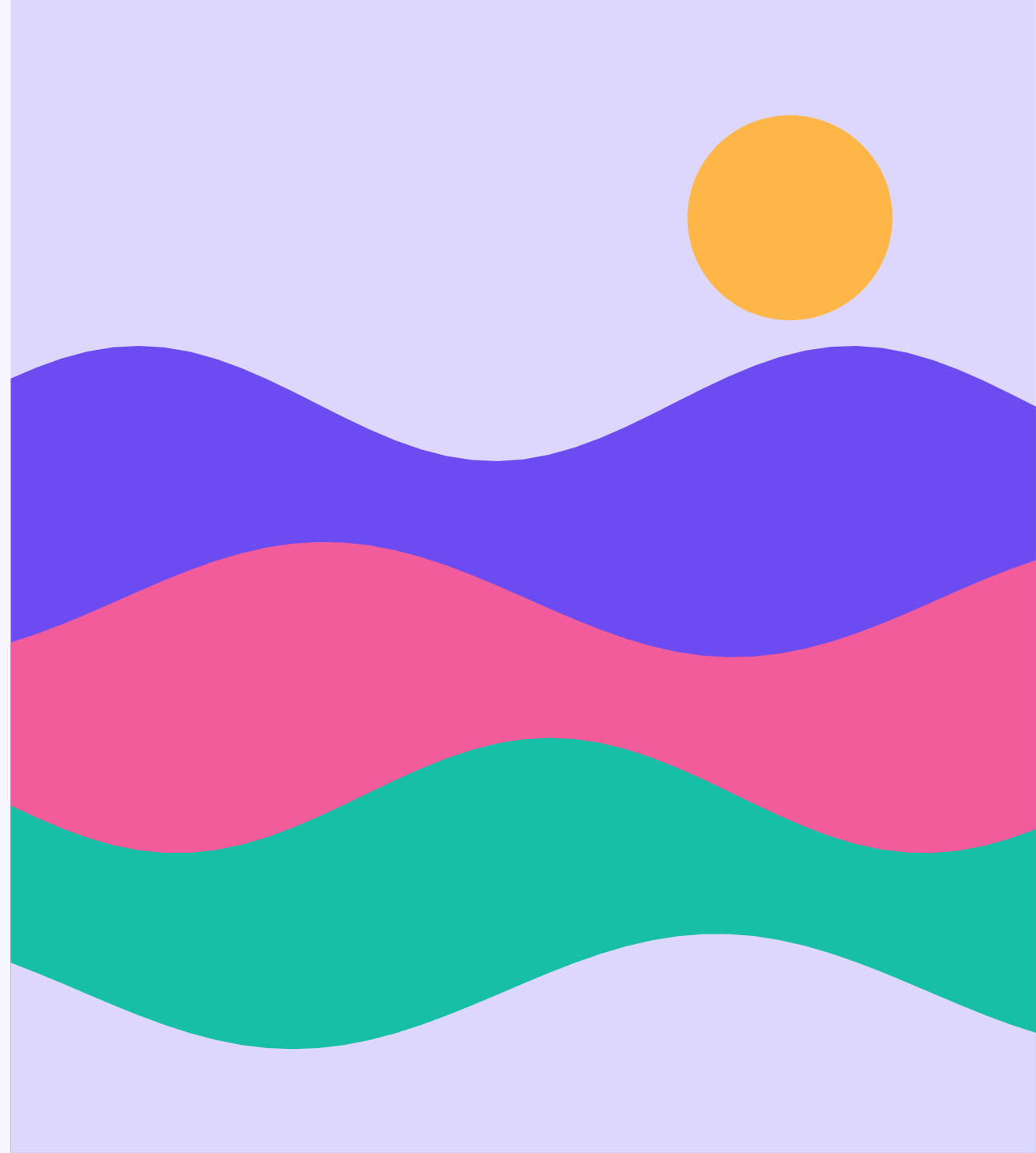
03

Ozone

Harmful near the ground.

02

HOW IT WORKS



How smog forms

01

Emit

Vehicles and factories

02

Trap

Cold air holds pollutants

03

React

Sunlight forms ozone

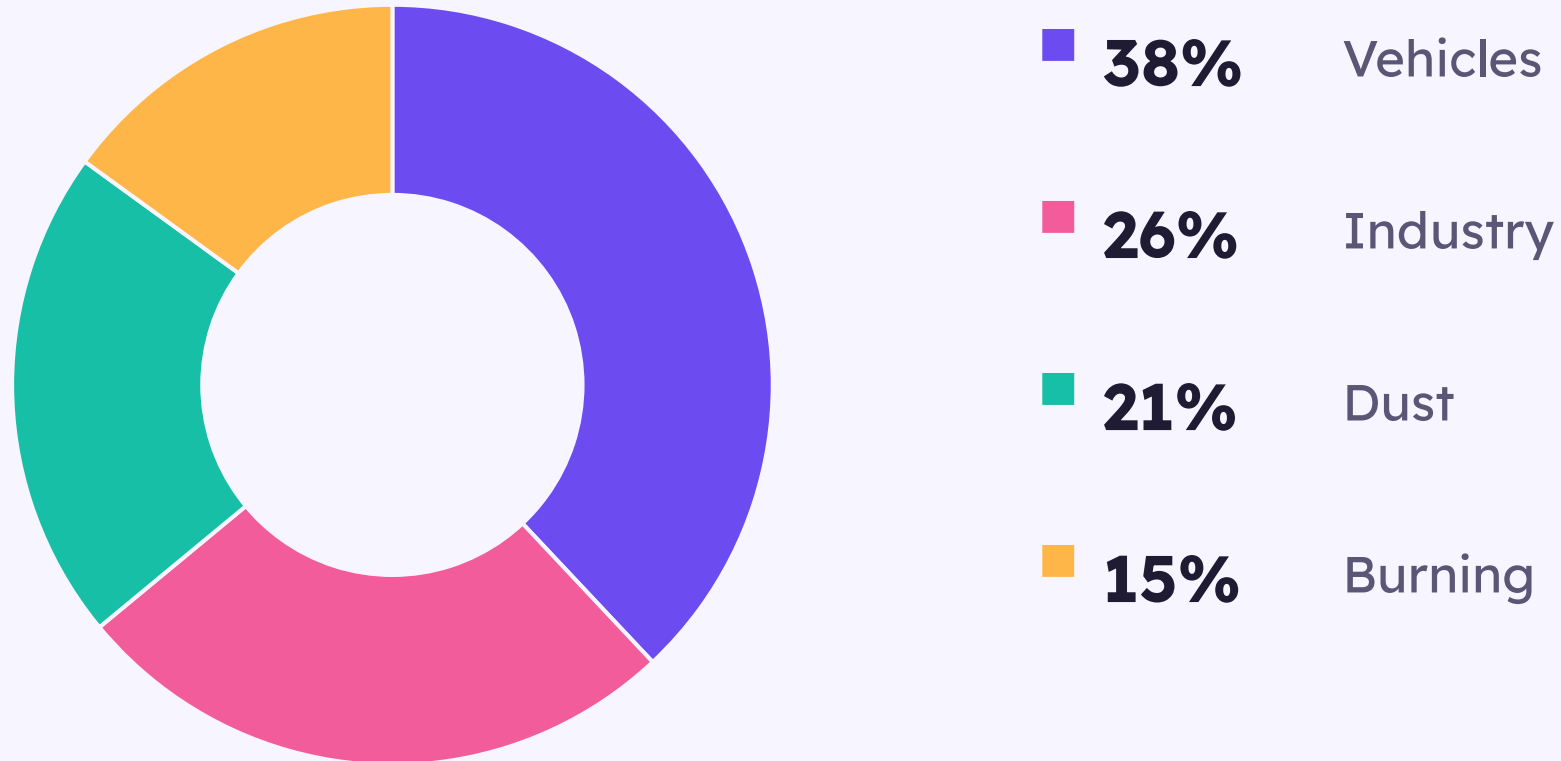
04

Smog

Hazy, unhealthy air

IN NUMBERS

Sources of city air pollution (sample)



Sample data for illustration.

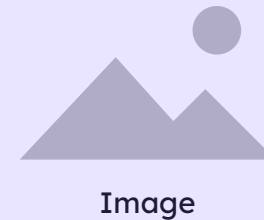
03

ACTIVITY



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



Clean vs polluted air

Clean air

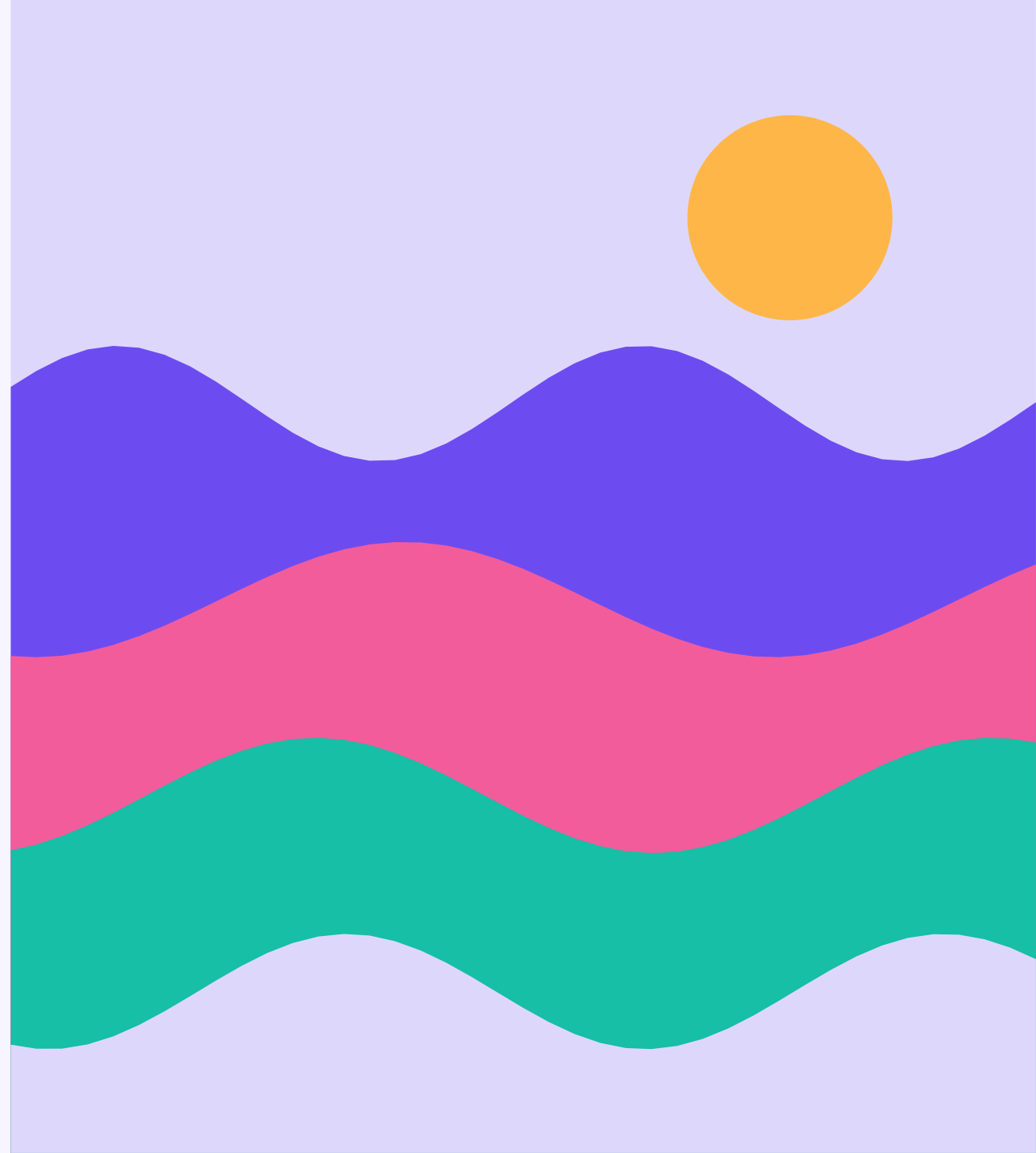
- ✓ Clear blue sky
- ✓ Easy breathing
- ✓ Healthy plants

Polluted air

- Hazy sky
- Coughing and asthma
- Damaged leaves

04

CONCLUSIO N



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

