



Clean Air Detectives



Today we are going to be
Clean Air Detectives
and will be investigating the issue
of air pollution.

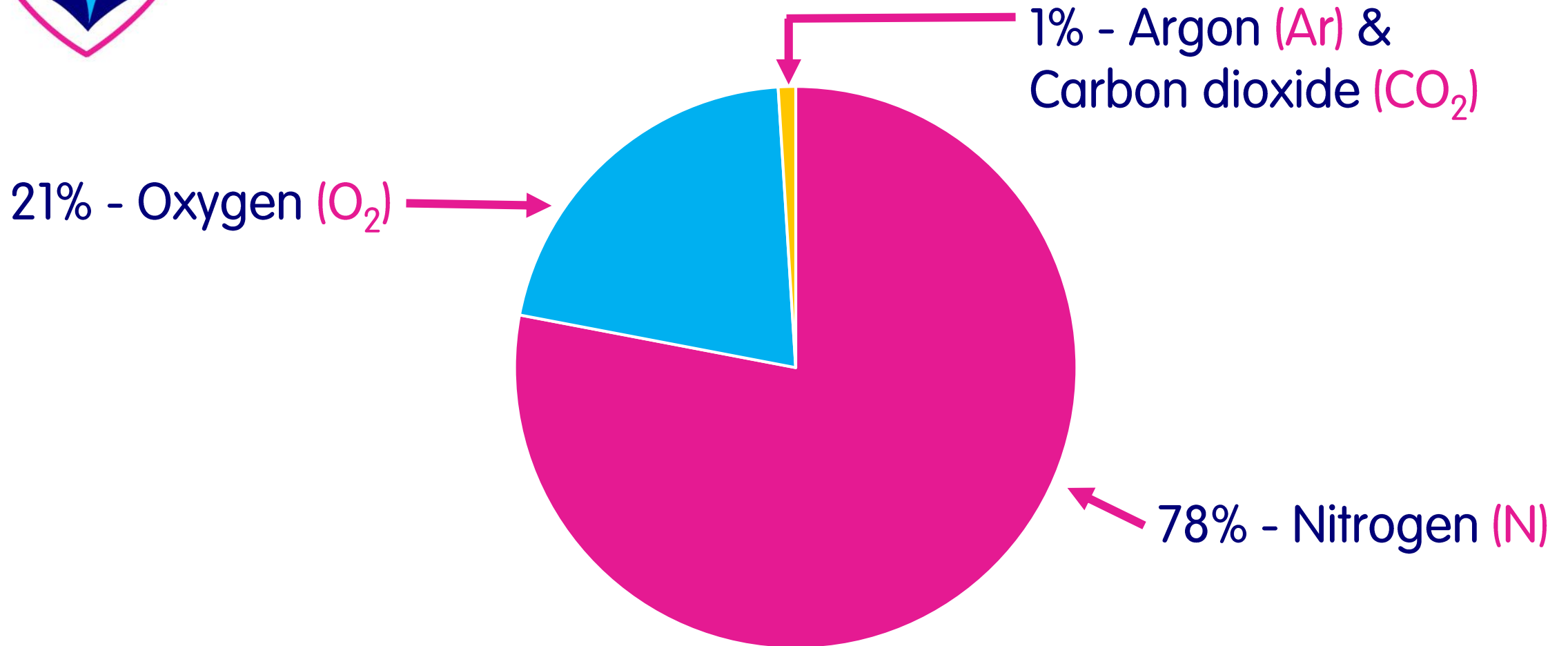


First things first,
what do we know
about air?





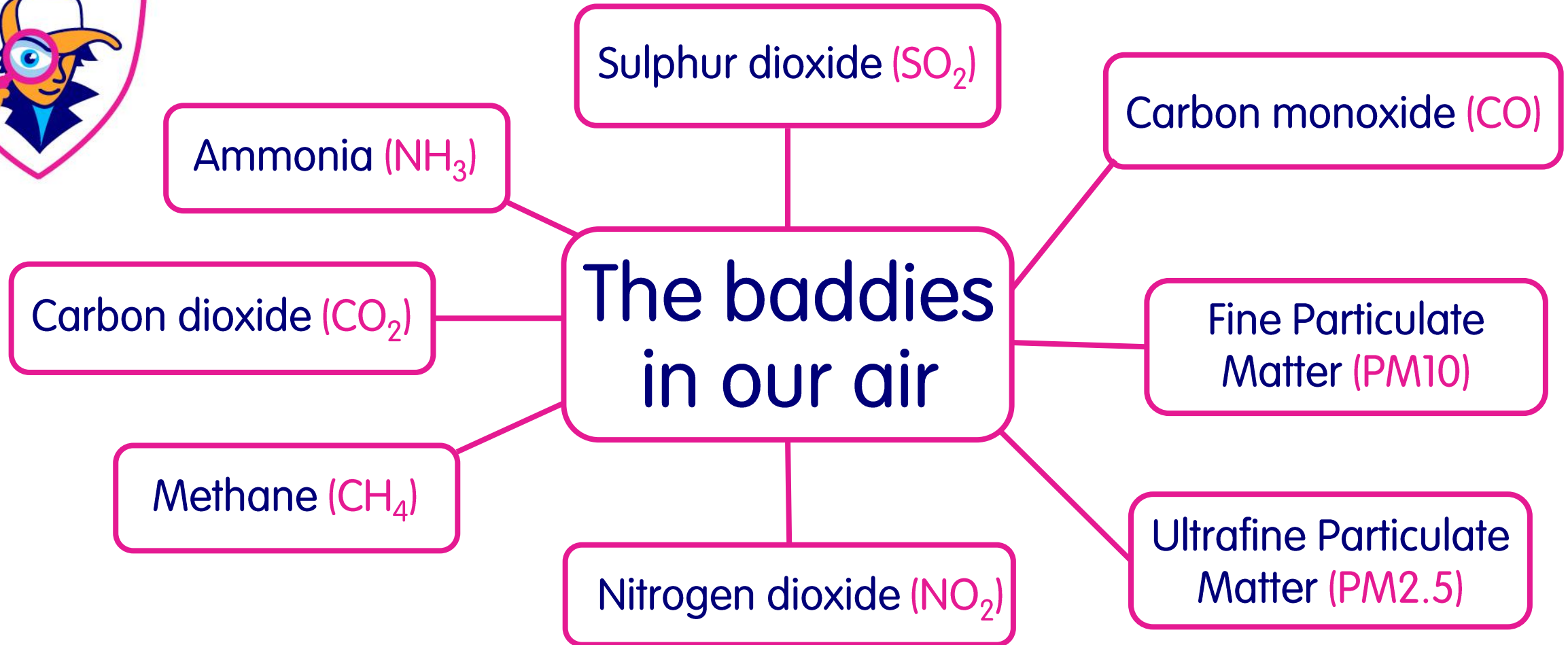
The goodies in our air





So why can we
sometimes see and
smell it?







What do we now
know?





What do we now know?

We can't always see the pollution in our air.





How do these baddies get there?

I have some key suspects lined up – can you help work out who is guilty?





Airplanes?

Guilty?



Not
guilty?



Cleaning products?

Guilty?



Not
guilty?



Bikes?

Guilty?



Not
guilty?



Homes?

Guilty?



Not
guilty?



Joggers?

Guilty?



Not
guilty?



Fires?

Guilty?

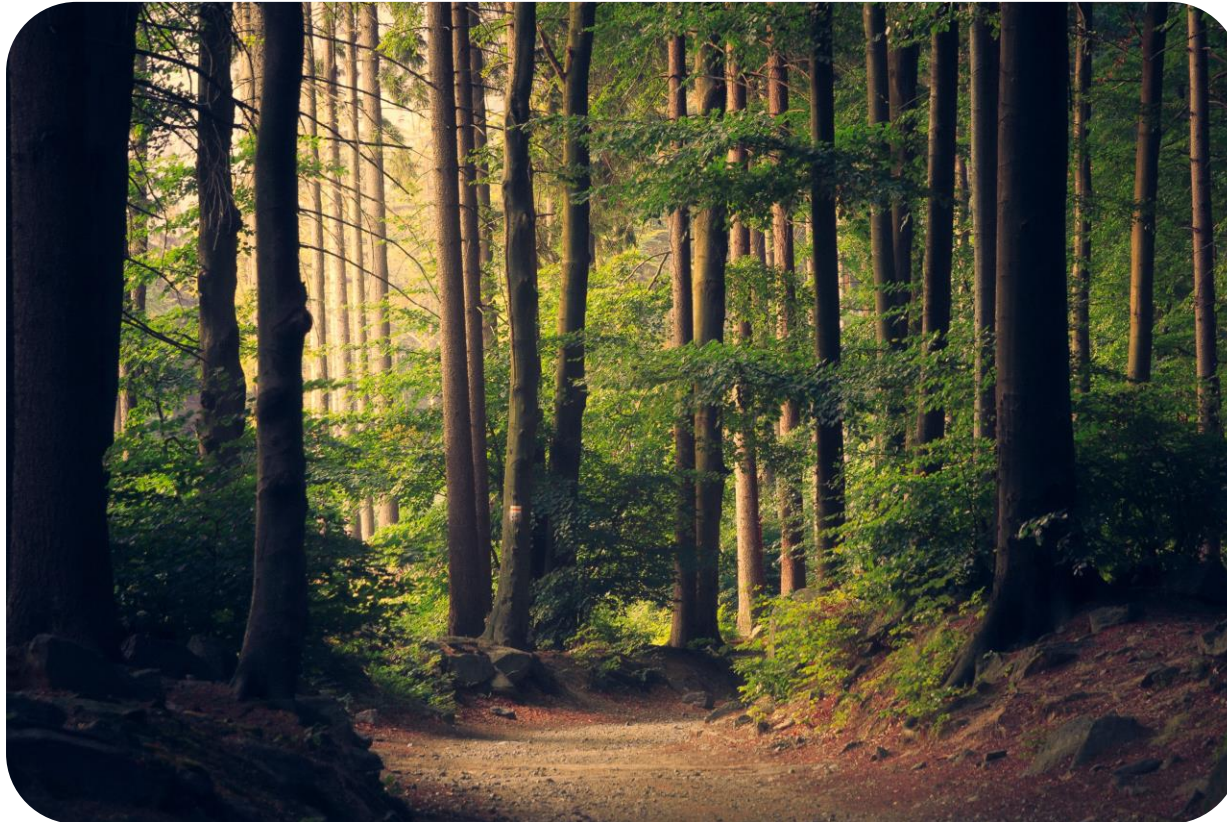


Not
guilty?



Forest?

Guilty?



Not
guilty?



Traffic?

Guilty?



Not
guilty?



Mountains?

Guilty?



Not
guilty?



Agriculture?

Guilty?



Not
guilty?



Factories?

Guilty?



Not
guilty?



Cows?

Guilty?



Not
guilty?



Dust?

Guilty?



Not
guilty?



What do we now know?





What do we now know?

There are many, many sources of pollution - not all of these are obvious!





So, who are the victims of
air pollution?





So, who are the victims of
air pollution?

Unfortunately, **we are.**





How do you think our
bodies protect us?

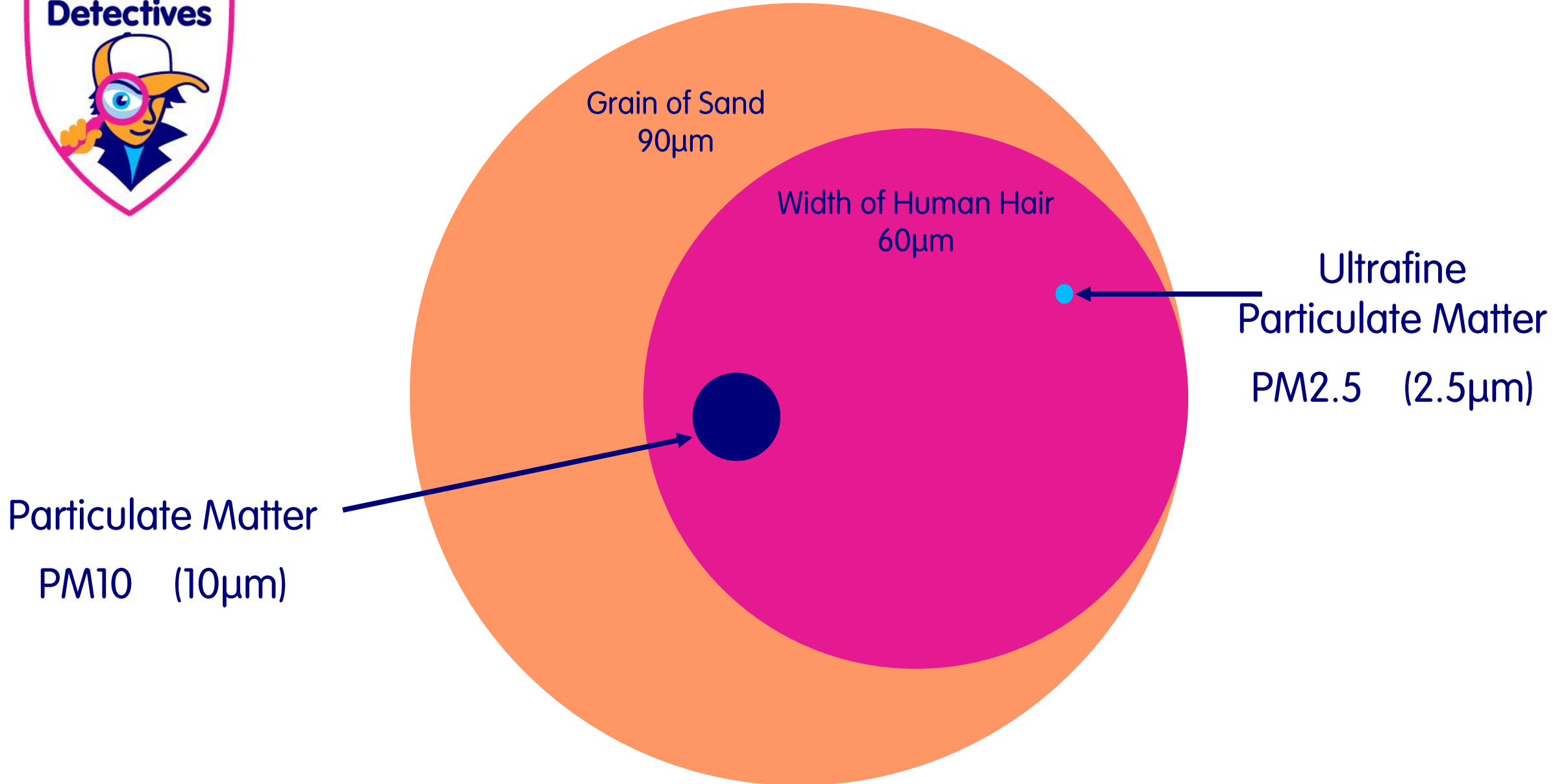




But the air carries some
tiny tiny tiny particles

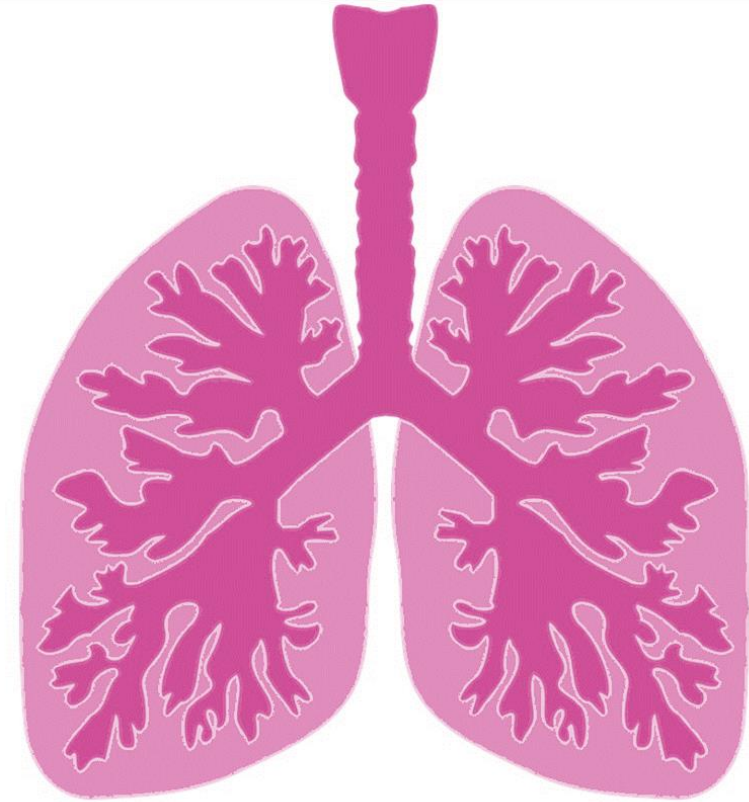
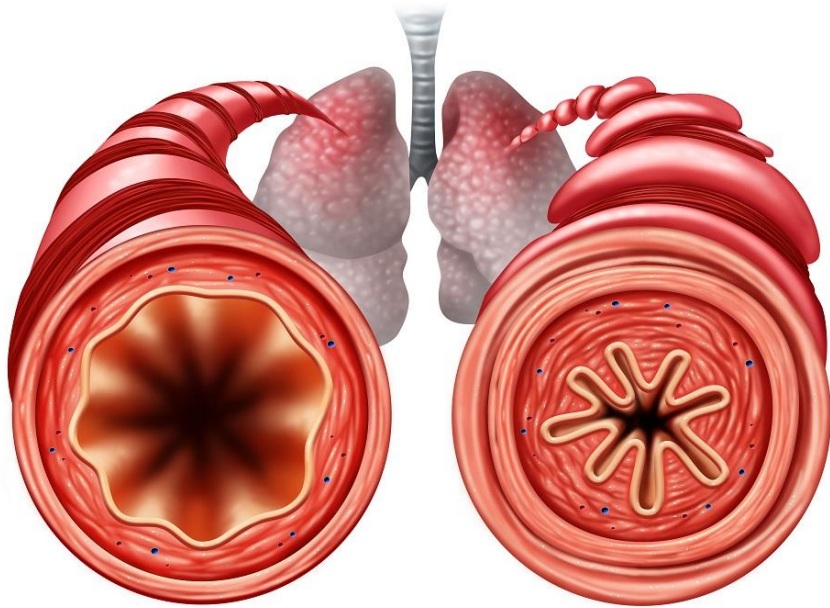
Ultrafine Particulate
Matter (PM_{2.5}) is
40 times smaller
than a grain of sand!!







Why is this so bad?



These particles are bad for our lungs and airways



What do we now know?





What do we now know?

Our body helps to protect us but tiny Ultrafine Particulate Matter can make its way into our blood, making us feel unwell.





We need to solve
this crime!
But what can we
do about it?



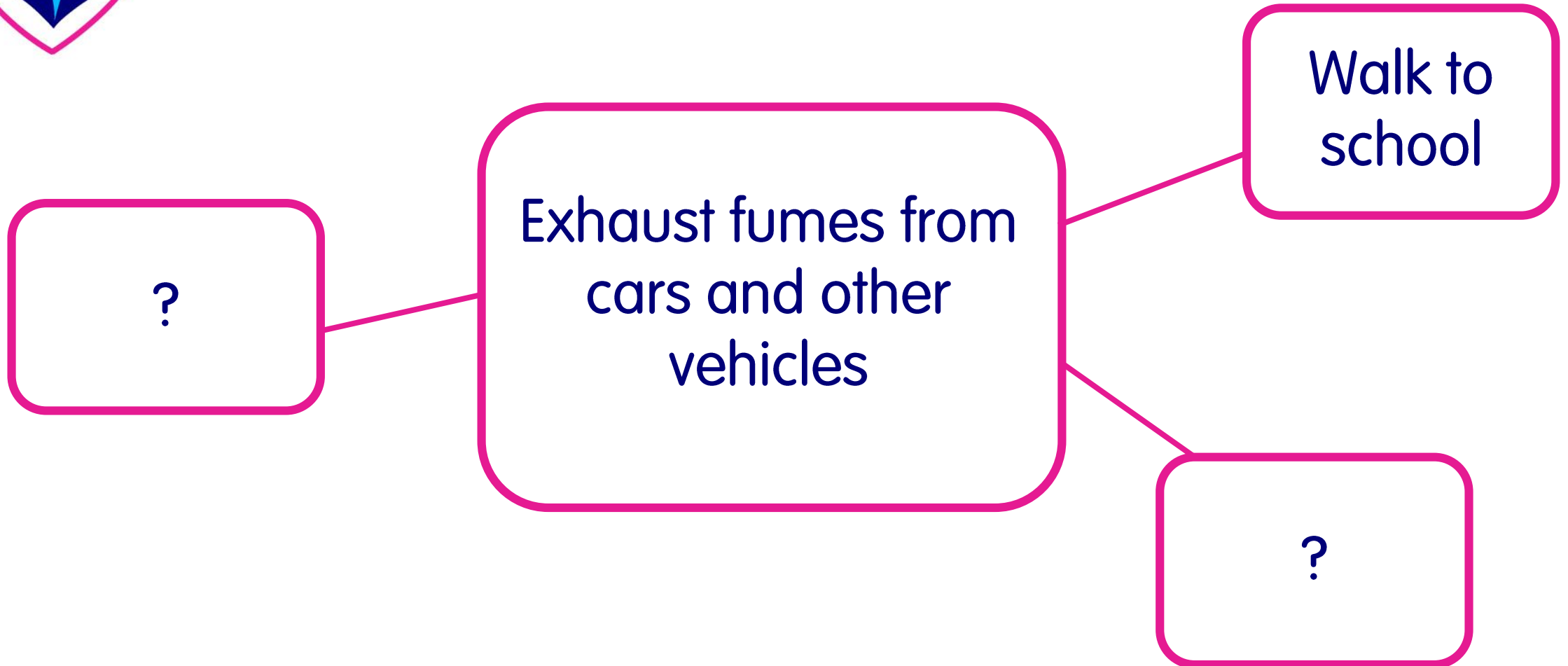


Sources & Solutions

Exhaust fumes from
cars and other
vehicles



Sources & Solutions





What do we now
know?





What do we now know?

There are lots of actions, big and small, that we can all take to reduce air pollution.





Broadcast to the world

Right detectives, you're going to design a poster to tell the rest of your school about the crime of air pollution and how they can help stop it!





Our posters need to be...

Bold and Bright
Clear and Catchy
Anything else?





I am going to...

What are you going to do to try
and reduce air pollution in your
home, classroom or local
community?





Towards Clean Air Classrooms

Today I learnt that _____

To help reduce air pollution, I am going to _____

