

AIR QUALITY BRENTFORD



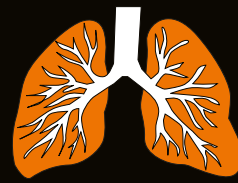
WHAT IS OUR AIR LIKE?

Brentford monitoring stations show that our air often has far too much Nitrogen Dioxide (NO₂) in it... way over the legal limits



YOU CAN'T SEE IT...

but Nitrogen Dioxide (NO₂) is in **DIESEL** exhaust fumes... about 50% of our cars, buses, vans and trucks are diesel



NO₂ IS...TOXIC

It inflames the lungs and is really bad for children, old people, anyone with asthma or other breathing problems. It causes 9,400 early deaths each year in London and can trigger strokes and heart attacks



WHAT CAN WE DO ABOUT IT?

► Fill in the **Mayor's consultation on air pollution** and ask that Brentford is included in the Ultra Low Emission Zone. This closes on 18 December!!

Go to: consultations.tfl.gov.uk

OR email: consultations@tfl.gov.uk

- Persuade Transport for London to give us **electric buses in Brentford**... we have none at the moment
- Urge the council and TfL to **grow more trees and bushes**... they soak up pollution!
- **Drive less, walk more (on the side roads)**... the air on our polluted main roads is not good, but you breathe in the worst air when you are stuck in your car in traffic
- Tell our friends and neighbours... most **people are unaware of the risks**
- **Swap our diesel cars** for petrol/electric/hybrid vehicles
- **Fight the 3rd runway at Heathrow**... more planes mean more traffic for our roads



COME TO OUR PUBLIC MEETING



AT BRENTFORD FREE CHURCH

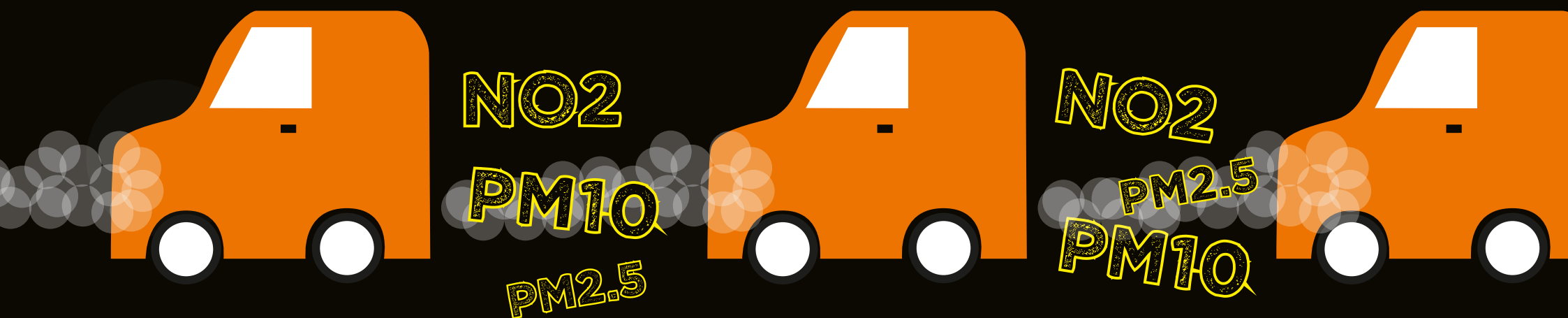
7.30PM ON TUES 17TH JANUARY 2017

ALL WELCOME

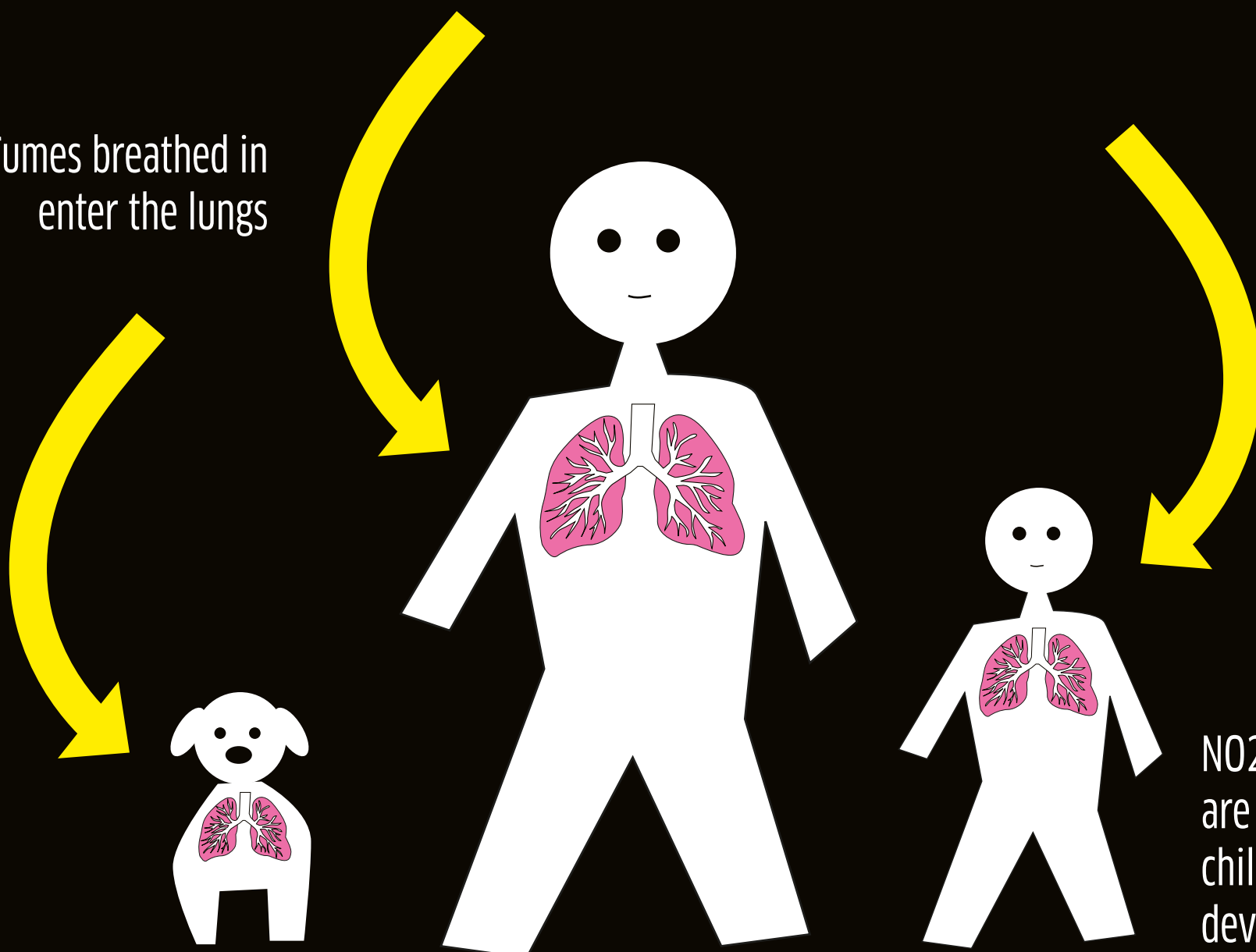
BREATHING IN TOXIC AIR POLLUTANTS (NO₂, PM₁₀ & PM_{2.5})

? WHAT IS NO₂?

Nitrogen Dioxide (NO₂) is one of the toxic air pollutants known to cause serious health and environmental problems. It's found in the exhaust fumes of diesel vehicles.



Fumes breathed in
enter the lungs



NO₂/PM₁₀/PM_{2.5}
are bad for
children's lung
development

? WHAT ARE PM₁₀ AND PM_{2.5}?

Particulate Matter is the name for very tiny particles which we breathe in and can harm our lungs. PM_{2.5} is a lot smaller than PM₁₀ and is so small that it can enter our blood stream. Long term exposure contributes to the risk of developing cardiovascular and respiratory diseases, including lung cancer

HOW TREES CAN HELP REMOVE AIR POLLUTION



WHAT DO TREES AND BUSHES DO?

The leaves of trees and bushes take in Carbon Dioxide (CO₂) and convert this to Oxygen (O₂) which we need to breathe and survive. They also absorb other toxins in the air including Nitrogen Dioxide (NO₂)

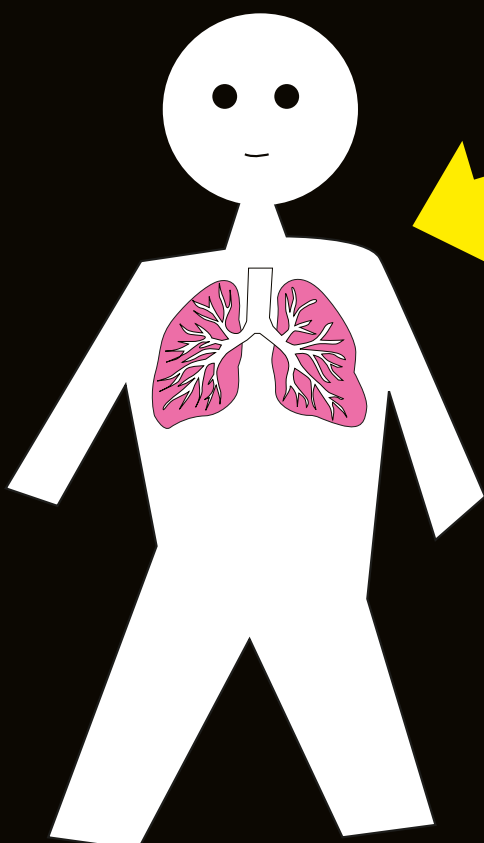


Cars create harmful pollutants

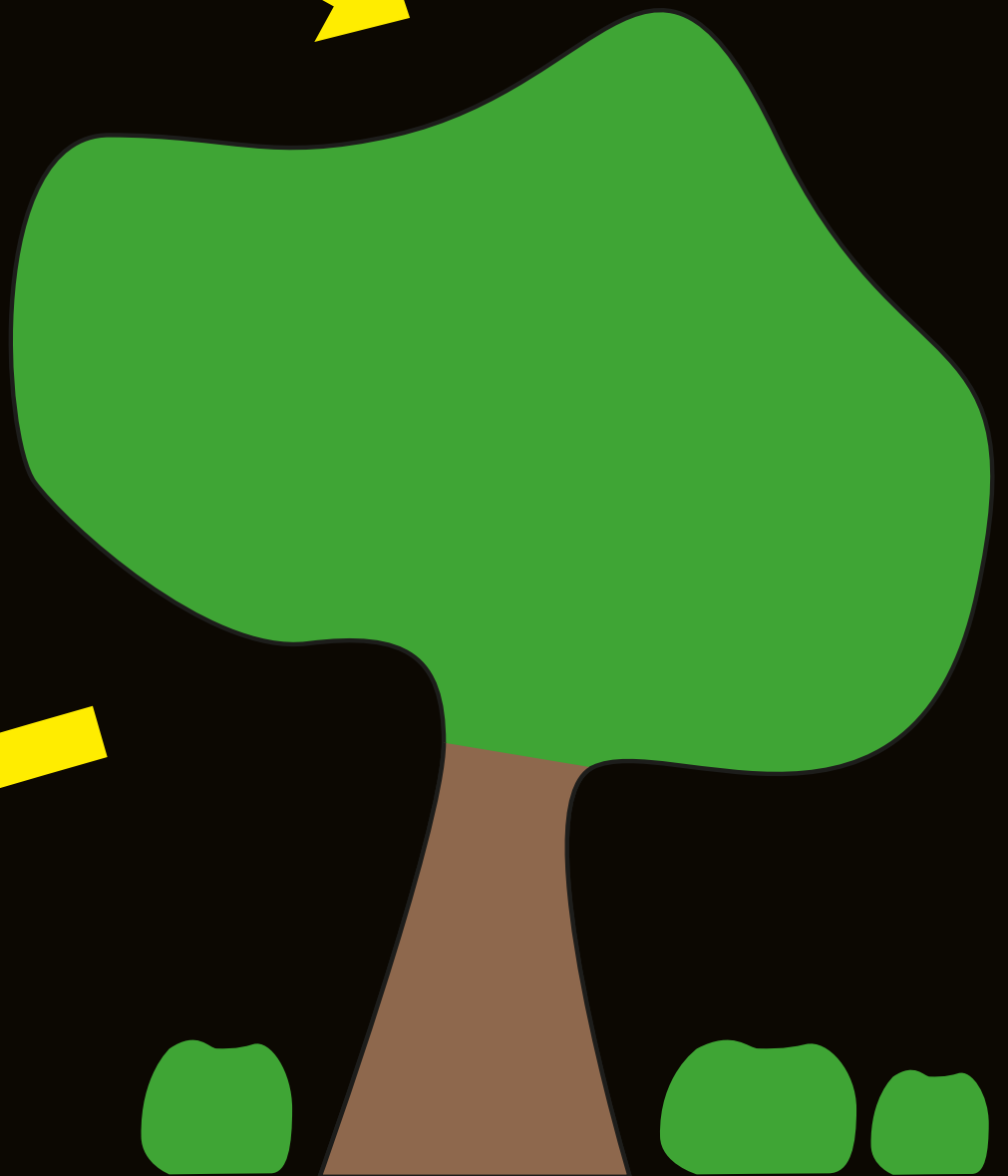
NO₂ CO₂
PM₁₀
PM_{2.5}

Leaves use CO₂, light and water to produce Oxygen

We need Oxygen to breathe and to survive



O₂



Bushes help trap Nitrogen Dioxide which is a heavy gas