

# Oxygen (O<sub>2</sub>)

**Colour: None**

**Smell: None**

**Oxygen is essential to all life on earth. We need it to survive.**

**Percentage of atmosphere: 21%**



# Nitrogen (N)

**Colour: None**

**Smell: None**

**All living things  
contain nitrogen -  
including us.**

**Percentage of atmosphere: 79%**



# Argon (Ar)

**Colour: None**

**Smell: None**

**Argon is a good insulator  
- it's even used to keep  
deep sea divers warm!**

**Percentage of atmosphere: 0.97%**



*City of*  
**BRADFORD**  
METROPOLITAN DISTRICT COUNCIL



# Carbon Dioxide (CO<sub>2</sub>)

**Colour: None**

**Smell: None**

**CO<sub>2</sub> is very important. We breathe it out from our lungs and plants absorb it via the photosynthesis process.**

**Percentage of atmosphere: 0.03%**



# Carbon Monoxide (CO)

**Colour: None**

**Smell: None**

**Source: Vehicle exhausts, burning firewood, cigarettes**



# Sulphur Dioxide (SO<sub>2</sub>)

**Colour: None**

**Smell: Burnt Matches**

**Source: Volcanic eruptions, industrial processes, burning fossil fuels**



# Ammonia (NH<sub>3</sub>)

**Colour: None**

**Smell: Strong and suffocating**

**Source: Cleaning products, industrial processes**



# Nitrogen Dioxide (NO<sub>2</sub>)

**Colour: Reddish brown**

**Smell: Pungent and acrid**

**Source: Vehicle exhausts, cigarette smoke**





# Methane (CH<sub>4</sub>)

**Colour: None**

**Smell: None**

**Source: Natural gas, release from melting permafrost, farming practices (cows)**



# Carbon Dioxide (CO<sub>2</sub>)

**Colour: None**

**Smell: None**

**Source: Natural gas, burning of fossil fuels and wood**



# Fine Particulate Matter (PM10)

**Colour: Varies**

**Smell: Varies**

**Source: Soot (black carbon) from vehicle exhausts, burning fossil fuels, pollen**



# Ultra Fine Particulate Matter (PM2.5)

**Colour: Varies**

**Smell: Varies**

**Source: Soot (black carbon) from vehicle exhausts, burning fossil fuels, dust, pollen**

