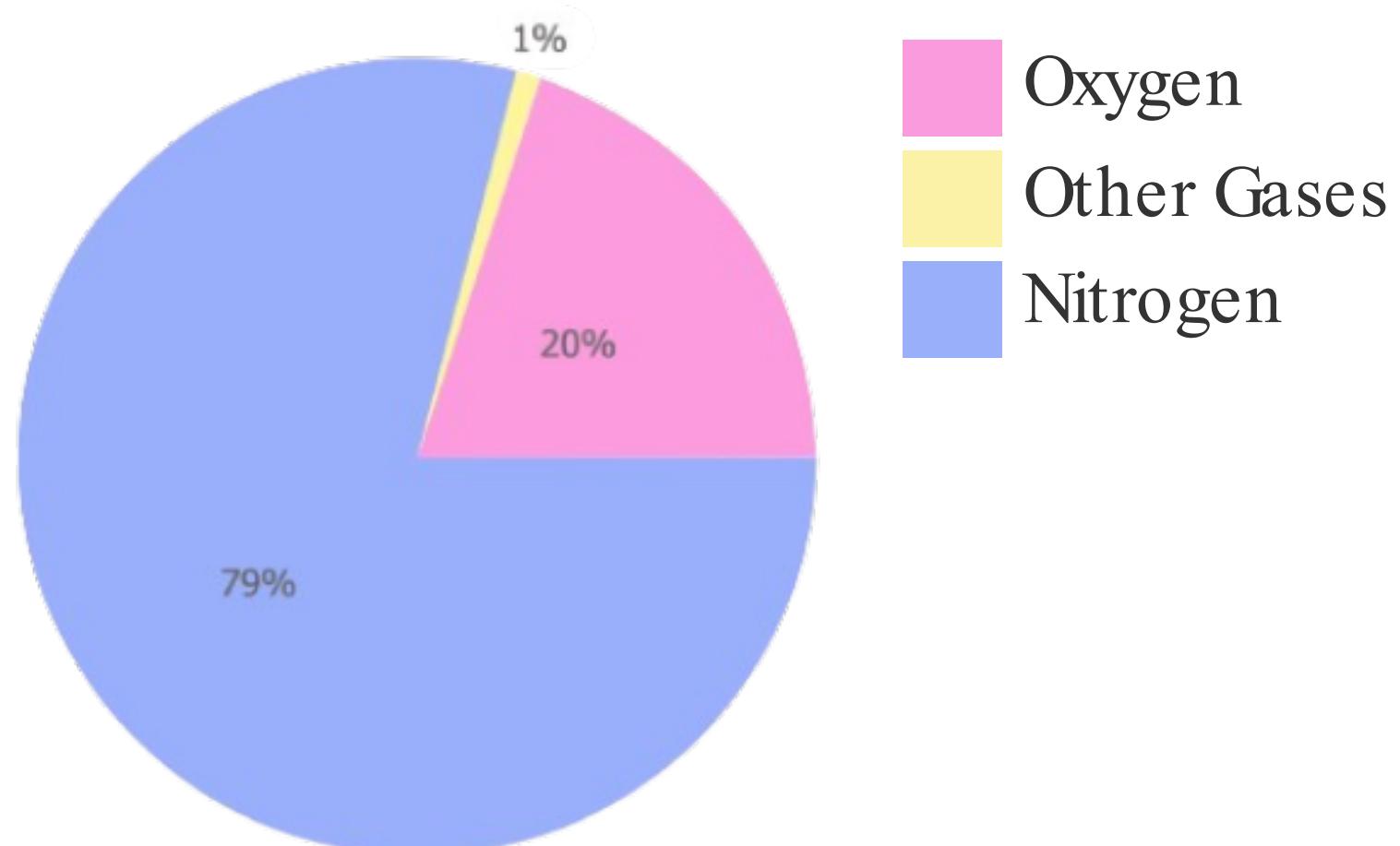


Oxygen Deficiency

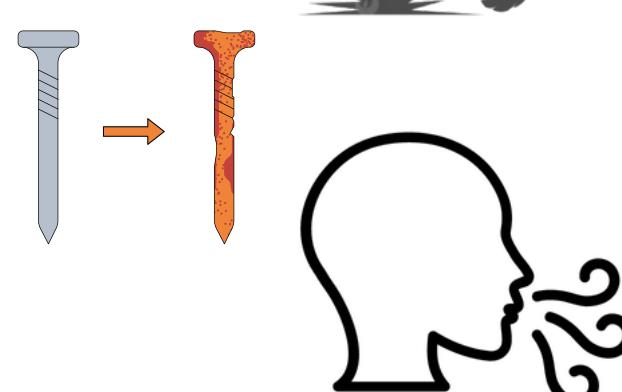
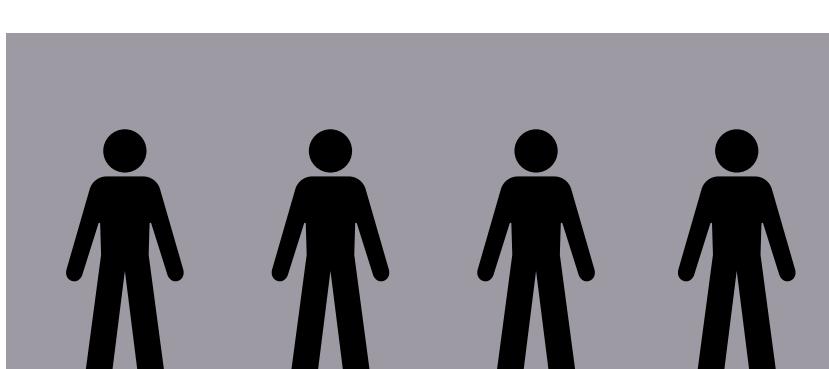


Respirable air is typically 20.9% oxygen (O₂). Being in an atmosphere with **20.7%–21.1% oxygen is considered safe by West Fraser.**



If the percentage of oxygen in the air dips below **20.7%** the atmosphere is considered deficient of oxygen.

Causes

- Combustion of flammable substances which consume oxygen. 
- Welding, grinding hot work that displaces oxygen with other gases. 
- Corrosion/rusting chemical reactions that consume oxygen. 
- Aerobic organisms (like people) that consume oxygen.
- In confined spaces, oxygen depletion can occur at a fast rate, especially with multiple people in the space. 

Solutions

Wearing a mask with an air filter will not make it safe to be in an oxygen-deficient atmosphere.

The atmosphere needs to have more oxygen added to it, or an SCBA or similar device needs to be worn. Pure oxygen should never be used to ventilate a space.



“Safety is a core value and business priority”