

Units and conversions

Exercise 1:

1. 2,000 kg = t
2. 356,000 Mg = kt
3. 65,000 mg = kg
4. 10^6 g = kg
5. 10^{12} m = km
6. 6 million tonnes = kt
7. 25,000,000 MJ = PJ
8. 0.0025 TJ = MJ
9. 10,000,000 m² = km²
10. 0.250 Mtoe = ktoe

Exercise 2: Optional/Homework

Units and conversions

Exercise 2:

1. 1 ha = m²
2. 0.75 km² = ha
3. 250 kg/kt = g/kg
4. 50 g/kg = %
5. 45 t/TJ = kg MJ⁻¹
6. 150 ktoe = TJ (Note: 1 Mtoe = 4.1868×10^4 TJ)
7. 150 toe t⁻¹ = TJ t⁻¹
8. 80 g SO₂/kg = kg SO₂ t⁻¹
9. 50 g NMVOC per litre = kg NMVOC /hl (Note: hl = hectolitre)
10. 2,000,000 m³ /week = $\times 10^6$ m³ yr⁻¹