

Ashby: Data for Materials and fuels

| Chapter | Figure or Table | Page |
|---------|--|-------------|
| 2 | Annual World Production of 23 materials Fig. 2.1 | p. 17 |
| | Annual World Energy Consumption by Source. Fig. 2.3 | p. 19 |
| | Efficiency for energy conversion Table 2.1 | p.23 |
| 6 | Variation in embodied energy for aluminum | p.107 |
| | Precious metals MJ/kg & CO ₂ kg/kg | p.110 |
| | Electronics MJ, CO ₂ | p.111 |
| | Fossil Fuels MJ/kg & CO ₂ kg/kg Also see Smil p 16 for wood, other fuels | p.112 |
| | Electricity for various countries: Mix, Efficiency, CO ₂ | p. 112 |
| | Transportation: Energy and CO ₂ /tonne.km | p.114 |
| | Embodied Energy of Materials MJ/kg & MJ/m ³ | p.117 |
| | Annual CO ₂ ; water/kg for materials | p.119 |
| 7 | Recycling fraction in current supply Fig. 6.13 | p.120 |
| | Eco Audits for 6 products: electric kettle, coffee maker, space heater, bumper, car, & wind turbine | p. 129-159 |
| 9 | Cars MJ/km Figures 9.11 and 9.12 | p. 216-217 |
| 10 | Table 10.2 elements in earths crust | p. 242 |
| 11 | Energy Price Sensitivity for materials Fig. 11.2 | p. 251 |
| | Material prices | p. 252 |
| | UN Human Development Index Vs. GDP/cap. | p.255 |
| 12 | Materials Profiles Materials listed in Table 12.1 12 Metals; 17 Polymers, 6 ceramics and 12 composites and wood. | p. 265- 367 |