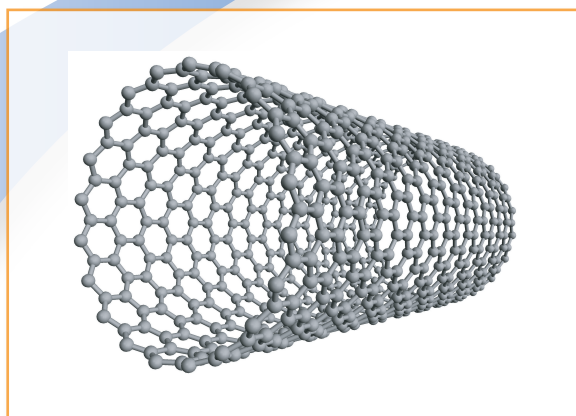


3

Carbon Nanotubes

- properties -



Carbon nanotubes are remarkable materials with extraordinary properties:

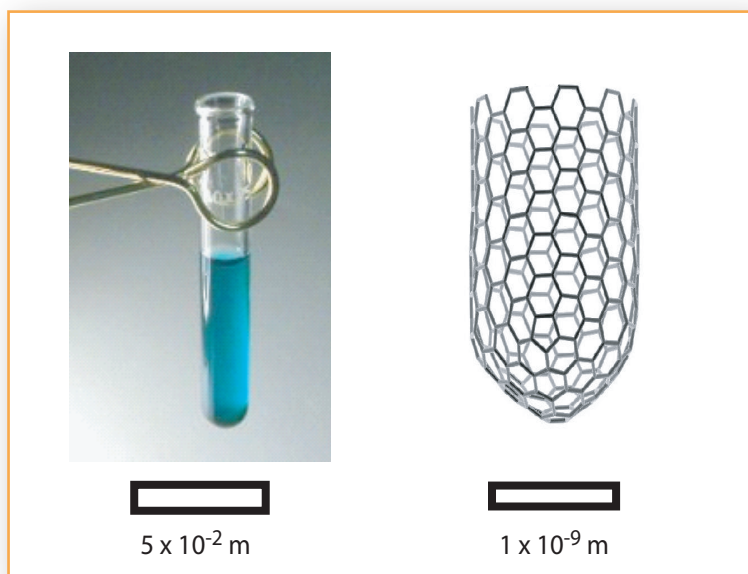
Electrical conductivity **1000** times greater than copper! (10^9 A/cm²)

Tensile strength **10** times greater than steel! (45×10^9 Pa)

Excellent thermal stability - **up to 2800 °C** (most metals melt below 1000 °C)

Low density - only **1.4 g/cm³** (for example aluminium is 2.7 g/cm³)

They are hollow, so we can use them as containers, like nanosized test-tubes!



Contact Information:

www.nottingham.ac.uk/nanocarbon

www.qipirc.org