

Nanotechnology

Learn about the very small

What is nanotechnology? An *exciting* area of science and engineering that occurs at the *atomic* and *molecular* level — at the 1-100 nanometer range. So small, we can't see the structures with our eyes.

Compare the size of things to the "nanoscale"

Child ~ 1m



10⁻⁹ meters



Nanoscale -- Too small to see!

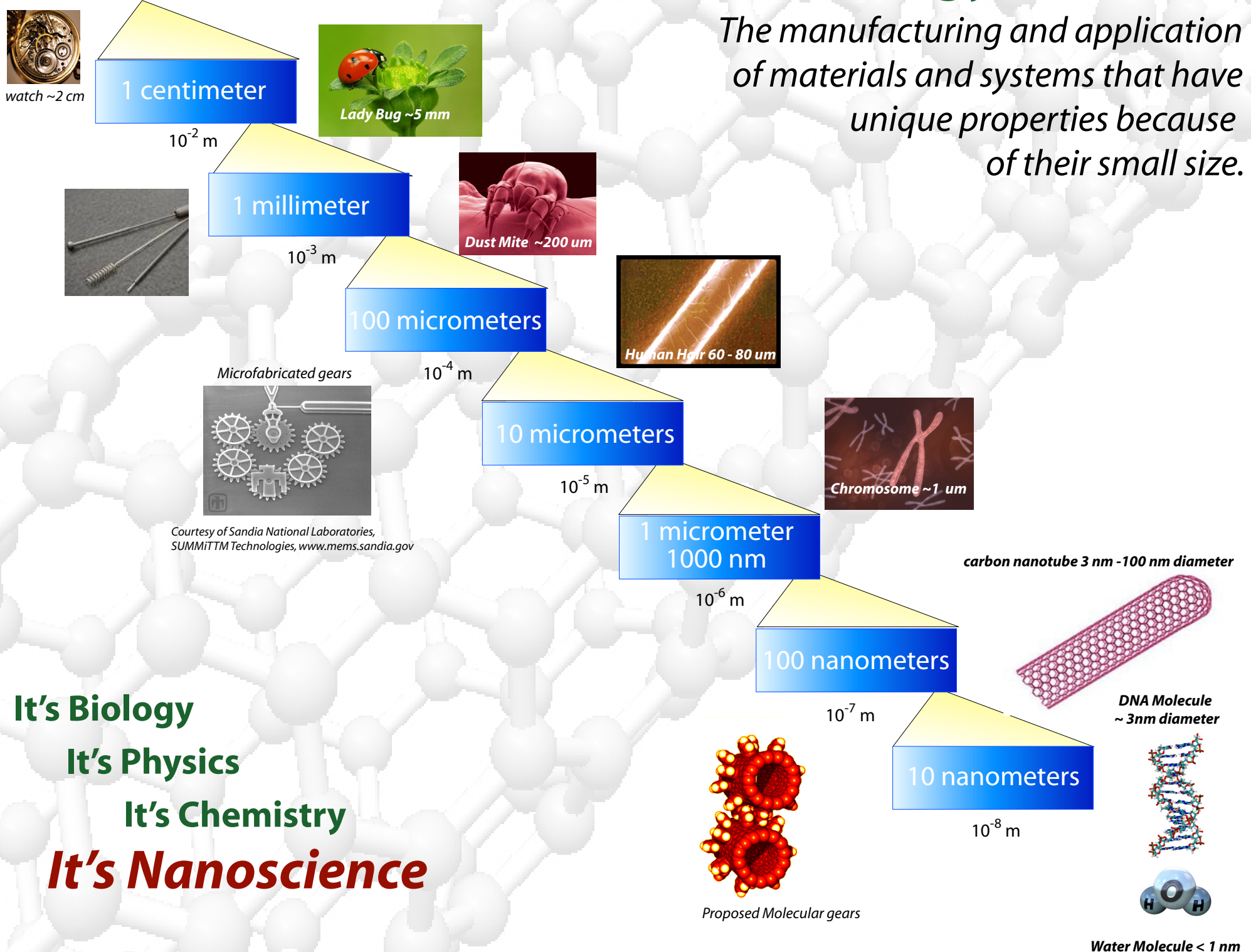
What is a nanometer?

One nanometer is 10⁻⁹ meters (one billionth) or about 3 atoms long! One of your hairs is about 60 - 80,000 nanometers wide!

"Nano" -- From the Greek word for "dwarf"

What is nanotechnology all about?

The manufacturing and application of materials and systems that have unique properties because of their small size.



It's Biology

It's Physics

It's Chemistry

It's Nanoscience

