

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!

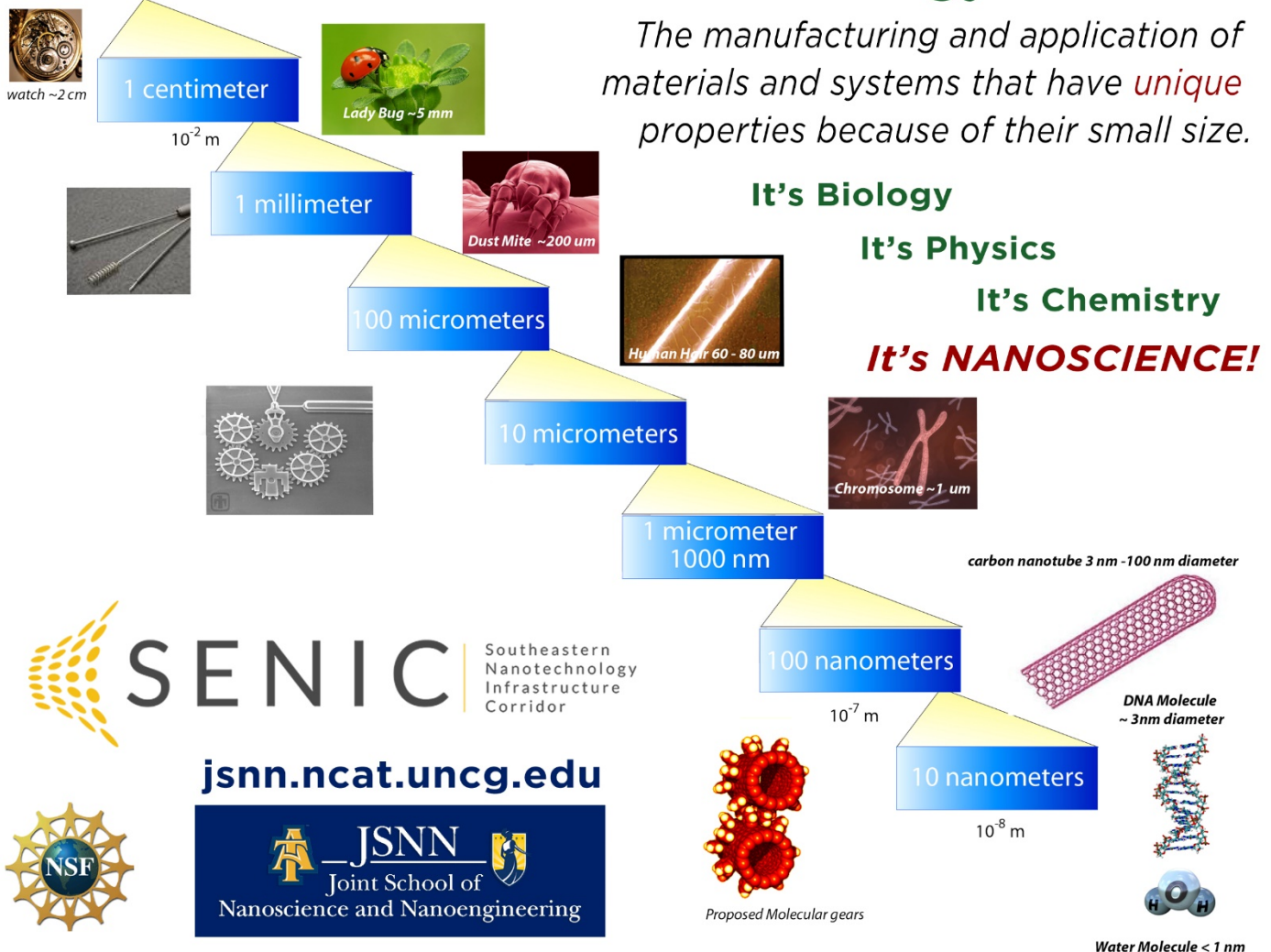
What is nanometer?

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!



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