

Measuring Different Things

Macrosize

Child

A child is about 1 meter tall 1 meter = 1,000,000,000 nm (1 billion nanometers)



Hand

A hand is about 1 decimeter wide 1 decimeter = 100,000,000 nm (100 million nanometers)



Pinky Finger

A pinky finger is about 1 centimeter wide 1 centimeter = 10,000,000 nm (10 million nanometers)





10⁻⁴

Freckle

A freckle is about 1 millimeter wide 1 millimeter = 1,000,000 nm (1 million nanometers)

Strand of Hair

A hair is about 0.1 (one tenth) of a millimeter wide 0.1 millimeter = 100,000 nm (100 thousand nanometers)

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Microsize

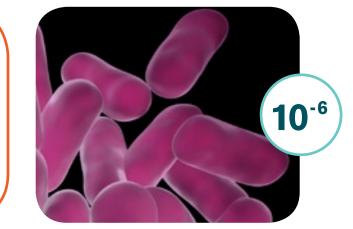
Red Blood Cell

A red blood cell is about 10 micrometers wide 10 micrometers = 10,000 nm (10 thousand nanometers)



Bacteria

A bacteria is about 1 micrometer wide 1 micrometer = 1,000 nm (1 thousand nanometers)



Virus

A virus is about 0.1 (one tenth) of a micrometer wide 0.1 micrometer = 100 nm (1 hundred nanometers)



Nanosize

Cell Membrane

A cell membrane is about 10 nanometers wide



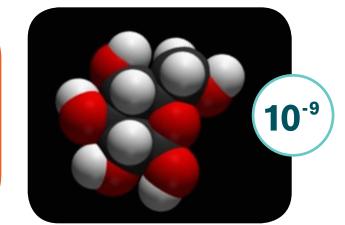
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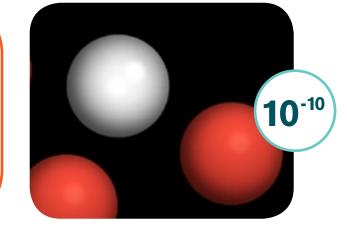
Sugar Molecule

A sugar molecule is about 1 nanometer wide 1 nanometer = 1 nm



Atom

An atom is about 0.1 (one tenth) of a nanometer wide 0.1 nanometer = 0.1 nm





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