

How Big Is It - Answer Key

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| width of a water molecule | 3.0×10^{-10} | meters |
| diameter of a cesium atom | 5.2×10^{-10} | meters |
| diameter of a carbon nanotube | 1.0×10^{-9} | meters |
| diameter of a DNA double helix | 2.0×10^{-9} | meters |
| length of an ATP molecule | 1.2×10^{-8} | meters |
| width of a transistor in a computer chip | 9.2×10^{-8} | meters |
| diameter of a flu virus | 1.0×10^{-7} | meters |
| width of a single bit on a DVD | 2.5×10^{-7} | meters |
| wavelength of visible light | 6.0×10^{-7} | meters |
| width of a bacterium | 1.0×10^{-6} | meters |
| diameter of a red blood cell | 7.0×10^{-6} | meters |
| diameter of a strand of Merino wool | 2.0×10^{-5} | meters |
| thickness of a human hair | 1.0×10^{-4} | meters |
| length of a typical amoeba | 1.0×10^{-4} | meters |
| length of a dust mite | 4.2×10^{-4} | meters |
| thickness of a penny | 1.6×10^{-3} | meters |
| width of a wedding ring | 5.0×10^{-3} | meters |
| diameter of a quarter | 2.4×10^{-2} | meters |
| width of an electrical outlet cover | 6.0×10^{-2} | meters |
| width of a standard envelope | 1.0×10^{-1} | meters |
| height of a typical 5-year-old child | 1.1×10^0 | meters |
| height of a typical pro basketball player | 2.0×10^0 | meters |
| height of a 2-story house | 7.0×10^0 | meters |
| length of a standard city bus | 1.3×10^1 | meters |
| length of a soccer field | 1.0×10^2 | meters |
| length of a 5-car train | 5.0×10^2 | meters |
| 3x the height of the Empire State Building | 1.5×10^3 | meters |
| distance walked in 20 minutes | 1.6×10^3 | meters |
| height of Mt. Everest | 8.8×10^3 | meters |
| cruising altitude of an airplane | 1.0×10^4 | meters |
| altitude of official start of "outer space" | 8.0×10^4 | meters |
| distance a car can travel on a freeway in 1 hour | 1.0×10^5 | meters |