

Some comparisons that have been suggested:

If an atom were the size of an apple, then the apple would be the size of earth.
If an atom nucleus were a ping pong ball, an atom would be over a mile wide.

Apple

Is there anything smaller? Yes! 41 cuts for the size of an atom nucleus!

Yes, the size of an atom nucleus would take about 41 cuts! Scientists use advanced technology to explore the world of electrons and quarks that are at least 9,000 times smaller than a nucleus. Physicists study much smaller things without seeing them directly. Is there an end to the quest for the smallest and most basic elements in our world? The search began with the Greeks and continues as scientists search for **Building Blocks** of the universe. Scientists have gone beyond quarks and are now studying tiny tiny "strings"!