

# HOW TALL ARE YOU?

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### Try measuring yourself in nanometers!

Are you super tall—or is a nanometer super small?

One meter is a billion nanometers. (A meter is a little longer than a yard.)

So if you're a little over three feet tall, you measure a billion nanometers! That sounds pretty impressive, but it doesn't mean that you're super tall—it means that a nanometer is incredibly small.

Here are some other ways to think about how tiny a nanometer is:

- The ridges in your fingerprints are around 250,000 nanometers wide.
- A strand of your hair is around 75,000 nanometers wide.
- Your DNA is 2 nanometers wide.
- Your fingernails grow 1 nanometer every second.

### What's measured in nanometers?

A nanometer is a billionth of a meter. That's really, really tiny!

Nanometers are used to measure things that are too small to see, like parts of a cell or DNA. It takes a lot of nanometers to measure something relatively big, like you.



A child is about 1,000,000,000 nanometers tall.



A red blood cell is about 10,000 nanometers wide.



DNA is about 2 nanometers wide.

