

Nano view:
what am I?

Grant No. 0940143



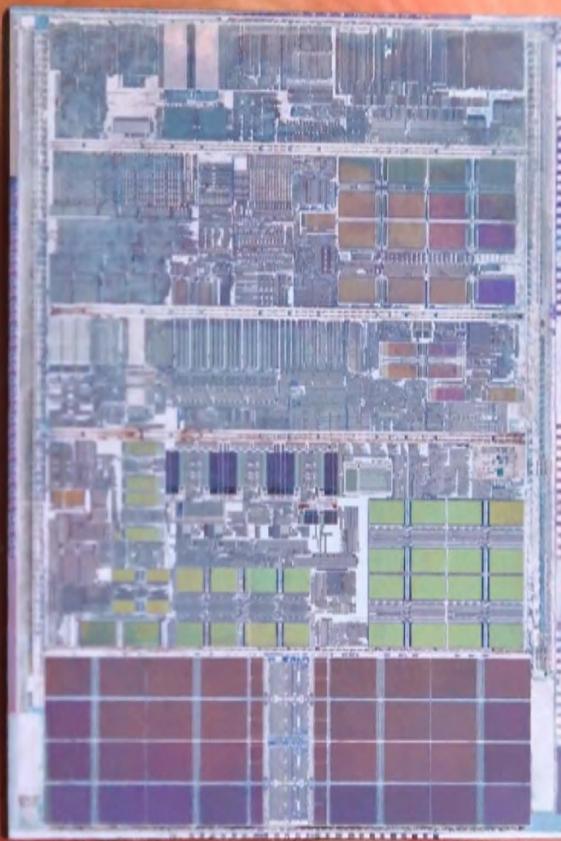
chipworks.com

Flip to find out!

I have tiny transistors that are
only 30 nanometers across.

A nanometer is a billionth of a meter.

Macro view: computer chip



Flip to look closer!

**Computer chips have nano-sized
transistors that make them small
and fast.**

whatisnano.org

Nano view: what am I?

nanocomposix.com

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Flip to find out!

I have particles of titanium dioxide
that are only 50 nanometers across.

A nanometer is a billionth of a meter.

Macro view: sunblock



Flip to look closer!

Many sunblocks go on clear
because they have nano-sized
particles of titanium dioxide.

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Nano view: what am I?

A.Kellar, Lewis & Clark College

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Flip to find out!

**My feet have tiny “hairs” that are
only nanometers across.**

A nanometer is a billionth of a meter.

Macro view: gecko



Flip to look closer!

**Geckos can walk upside down
because their feet have millions
of nano-sized “hairs.”**

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C. Neinhuis, W. Barthlott

Flip to find out!

I have bumps covered in tiny,
nano-sized whiskers.

A nanometer is a billionth of a meter.

Macro view: lotus leaf



Flip to look closer!

**Lotus leaves shed water because
they have bumps covered in
nano-sized whiskers.**

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Nano view: what am I?

S.Yoshioka, Osaka University

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Flip to find out!

I get my blue color from tiny
structures only 400 nanometers long.
A nanometer is a billionth of a meter.

Macro view: Blue Morpho butterfly



Flip to look closer!

Blue Morpho butterflies get their color from transparent, nano-sized structures.

whatisnan.org