



**Nano view:
what am I?**

chipworks.com

Grant No. 0940143

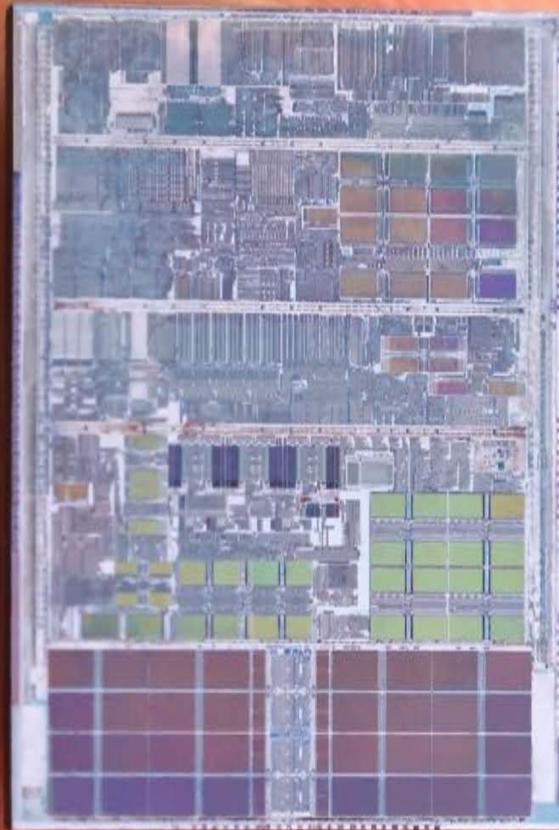


Flip to find out!

**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?

nanocompositix.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.

whatisnano.org

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.”**

whatisnano.org

Nano view: what am I?

C. Neinhuis, W. Barthlott

NSF Grant No. 0940143

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.

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