



**Nano view:  
what am I?**

chipworks.com

Grant No. 0940143

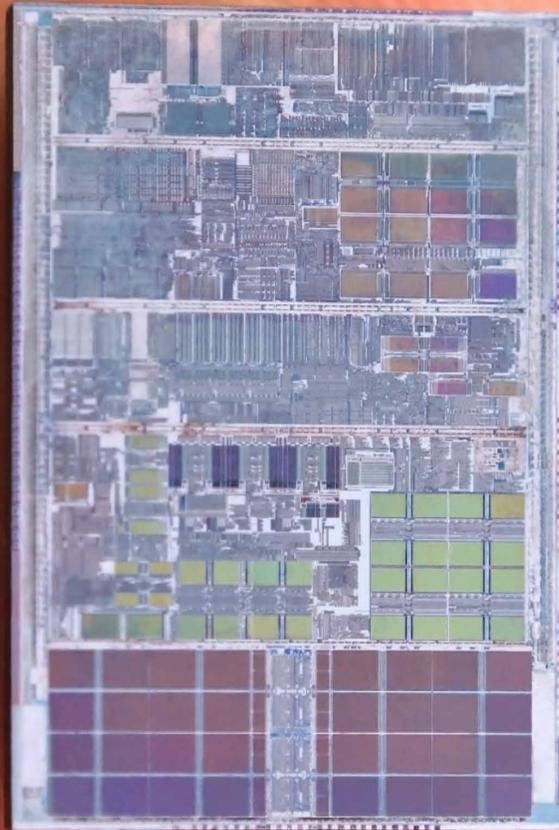


**Flip to find out!**

**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](http://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](http://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](http://whatisnano.org)

# Nano view: what am I?

C. Neinhuis, W. Barthlott



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**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.**

[whatisnano.org](http://whatisnano.org)

# 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.**

[whatisnano.org](http://whatisnano.org)