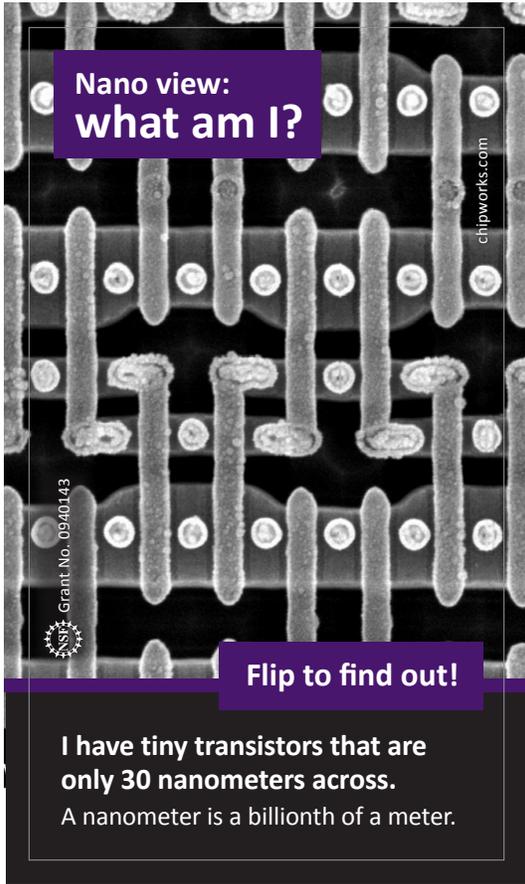


CARD 1
side A



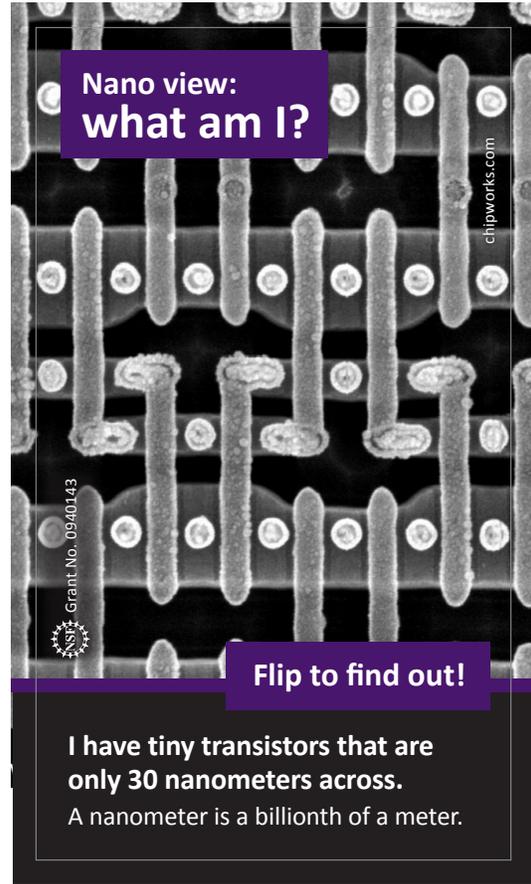
Nano view:
what am I?

NSF 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.



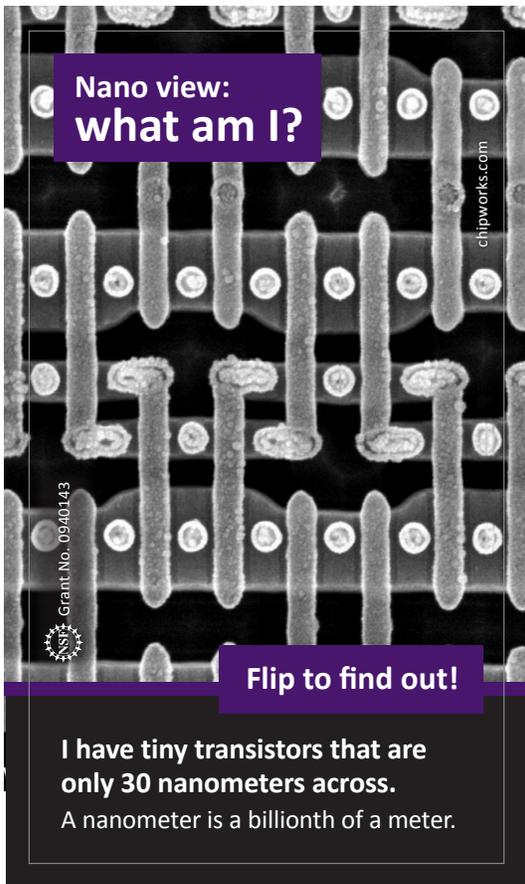
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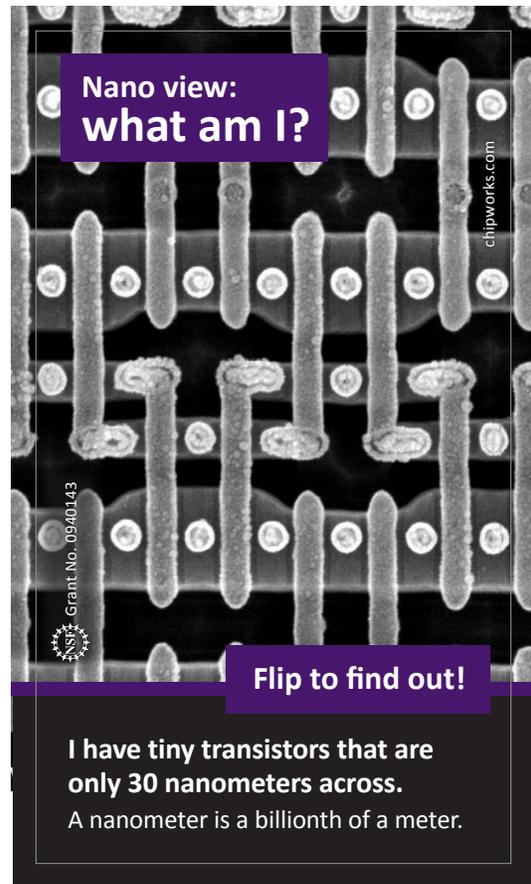
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what am I?

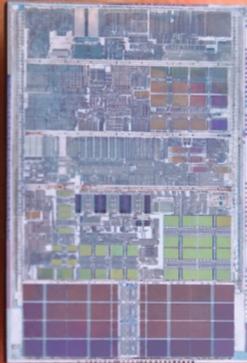
NSF Grant No. 0940143

chipworks.com

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A nanometer is a billionth of a meter.

Macro view:
computer chip

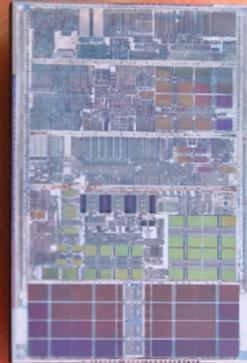


Flip to look closer!

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

whatisnano.org

Macro view:
computer chip

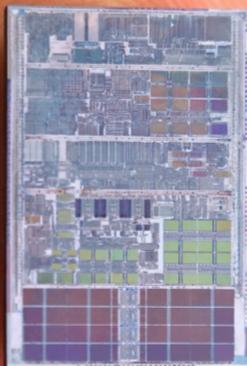


Flip to look closer!

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whatisnano.org

Macro view:
computer chip

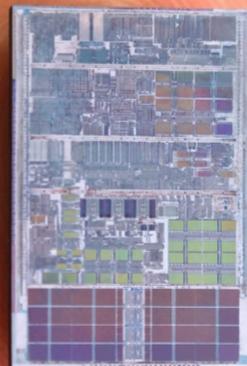


Flip to look closer!

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whatisnano.org

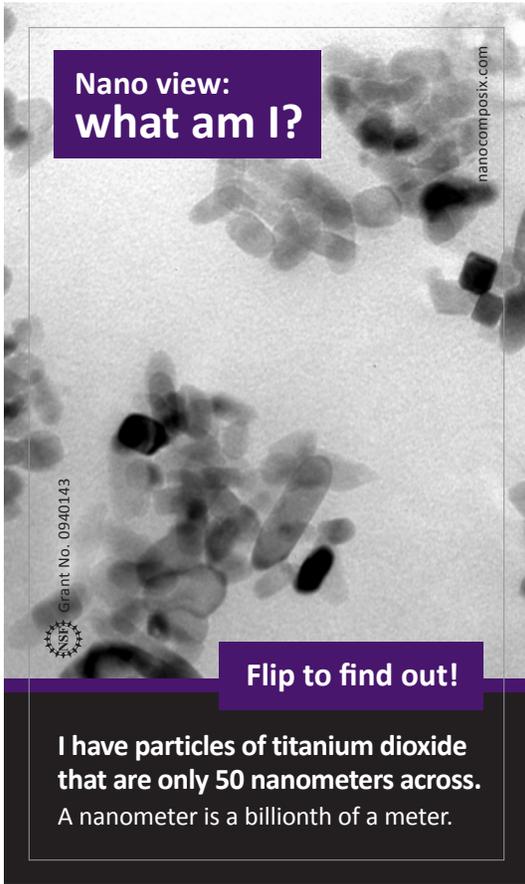
Macro view:
computer chip



Flip to look closer!

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

whatisnano.org



**Nano view:
what am I?**

Grant No. 0940143

nanocompositix.com

Flip to find out!

**I have particles of titanium dioxide
that are only 50 nanometers across.**
A nanometer is a billionth of a meter.



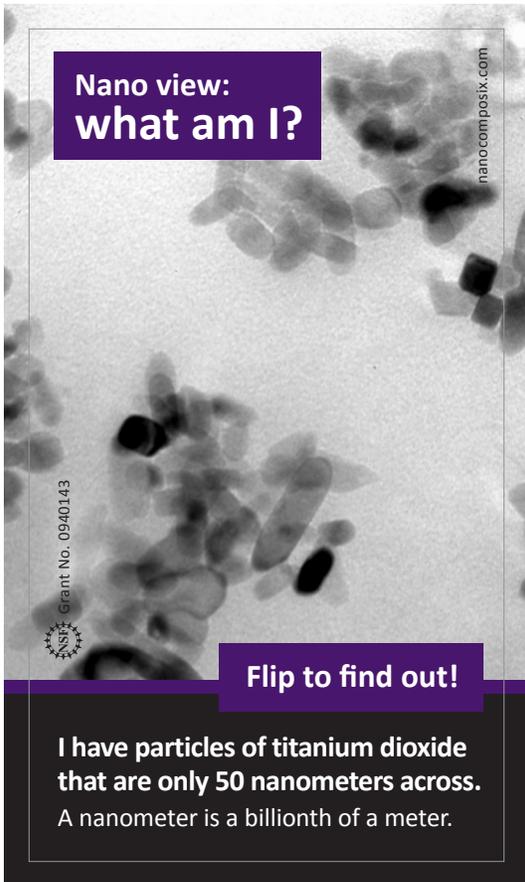
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what am I?**

Grant No. 0940143

nanocompositix.com

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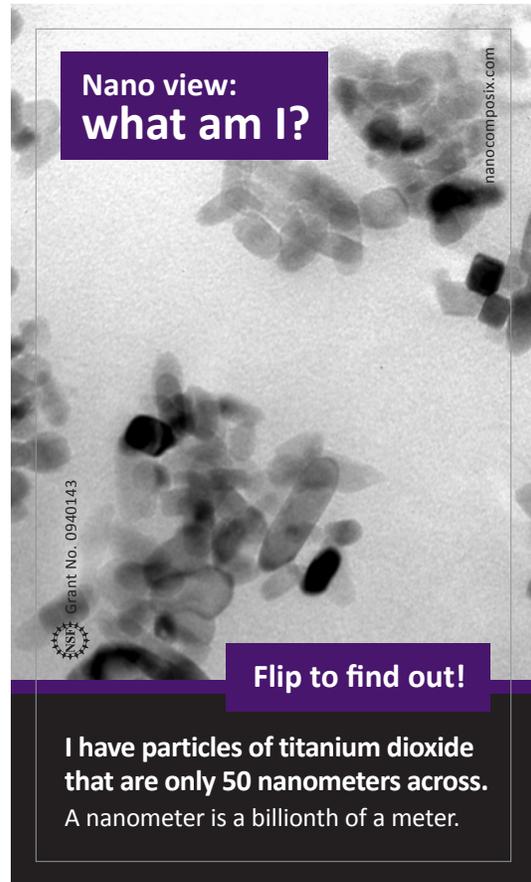
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nanocompositix.com

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**Nano view:
what am I?**

Grant No. 0940143

nanocompositix.com

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

Macro view:
sunblock



Flip to look closer!

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

Macro view:
sunblock



Flip to look closer!

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

Macro view:
sunblock

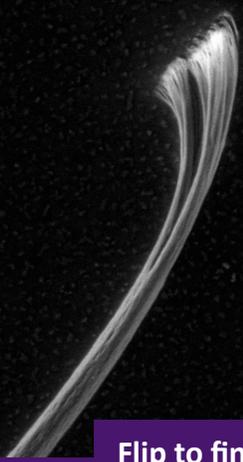


Flip to look closer!

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

CARD 3
side A

Nano view:
what am I?



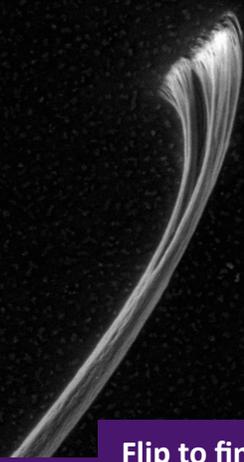
Grant No. 0940143

A.Kellar, Lewis & Clark College

Flip to find out!

My feet have tiny "hairs" that are only nanometers across.
A nanometer is a billionth of a meter.

Nano view:
what am I?



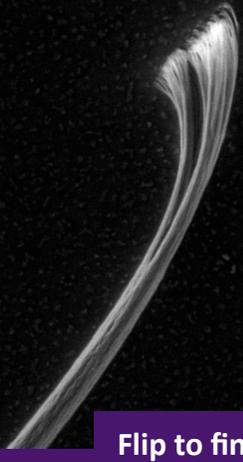
Grant No. 0940143

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A nanometer is a billionth of a meter.

Nano view:
what am I?



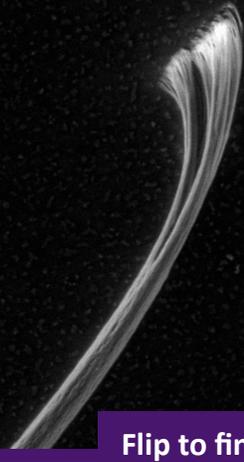
Grant No. 0940143

A.Kellar, Lewis & Clark College

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A nanometer is a billionth of a meter.

Nano view:
what am I?



Grant No. 0940143

A.Kellar, Lewis & Clark College

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

Macro view:
gecko



Flip to look closer!

Geckos can walk upside down because their feet have millions of nano-sized "hairs."
whatisnano.org

Macro view:
gecko



Flip to look closer!

Geckos can walk upside down because their feet have millions of nano-sized "hairs."
whatisnano.org

Macro view:
gecko



Flip to look closer!

Geckos can walk upside down because their feet have millions of nano-sized "hairs."
whatisnano.org

CARD 4
side A



**Nano view:
what am I?**

Grant No. 0940143

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.



**Nano view:
what am I?**

Grant No. 0940143

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.



**Nano view:
what am I?**

Grant No. 0940143

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.



**Nano view:
what am I?**

Grant No. 0940143

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.
whatisnano.org

This card features a macro photograph of a vibrant green lotus leaf. The surface is covered with numerous water droplets of varying sizes. Several of these droplets are large enough to act as lenses, showing a clear reflection of the Earth from space. The leaf's veins are visible, radiating from the base. The bottom portion of the card is a dark purple gradient containing white text.



Macro view:
lotus leaf

Flip to look closer!

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

This card is identical to the one on the left, showing a macro view of a lotus leaf with water droplets that reflect the Earth. The layout and text are the same.



Macro view:
lotus leaf

Flip to look closer!

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

This card is identical to the others, featuring a macro view of a lotus leaf with water droplets reflecting the Earth. The layout and text are consistent.



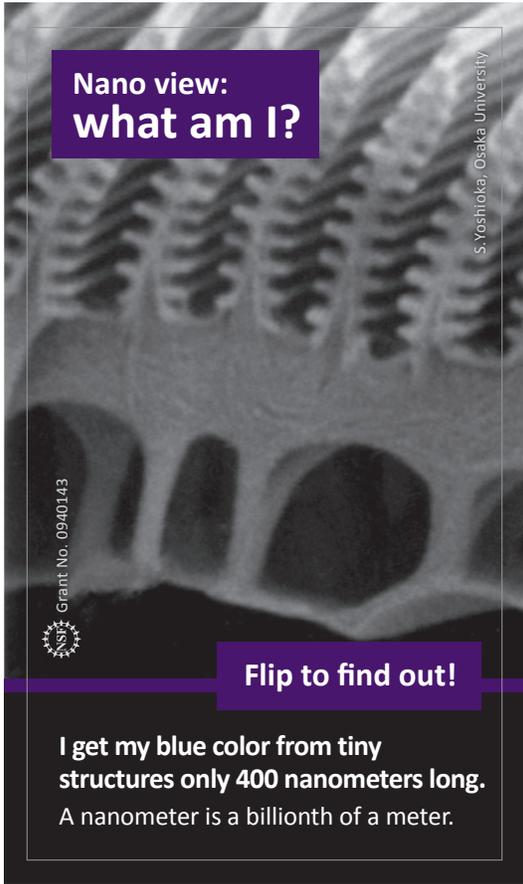
Macro view:
lotus leaf

Flip to look closer!

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

This card is identical to the others, featuring a macro view of a lotus leaf with water droplets reflecting the Earth. The layout and text are consistent.

CARD 5
side A



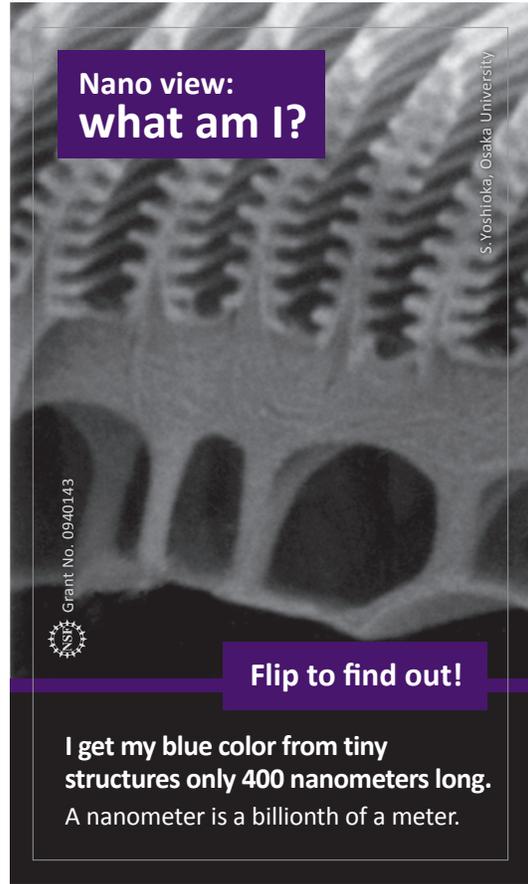
**Nano view:
what am I?**

S. Yoshioka, Osaka University

Grant No. 0940143

Flip to find out!

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



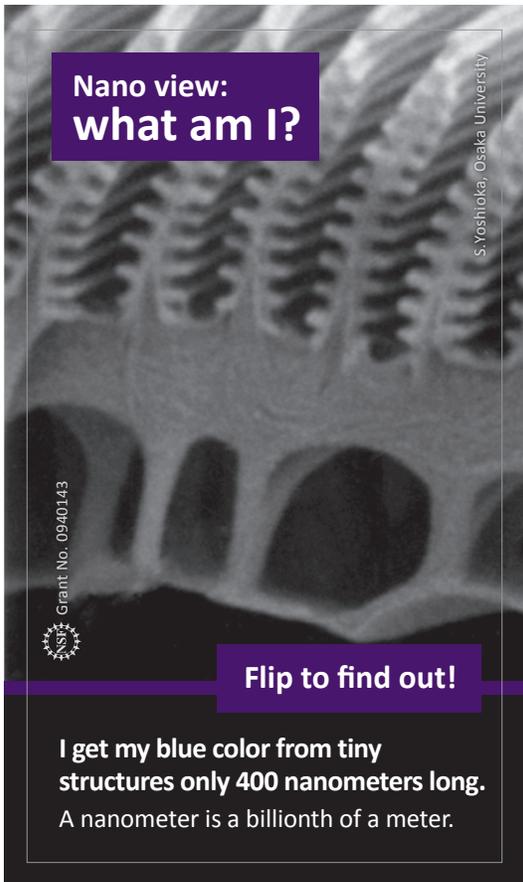
**Nano view:
what am I?**

S. Yoshioka, Osaka University

Grant No. 0940143

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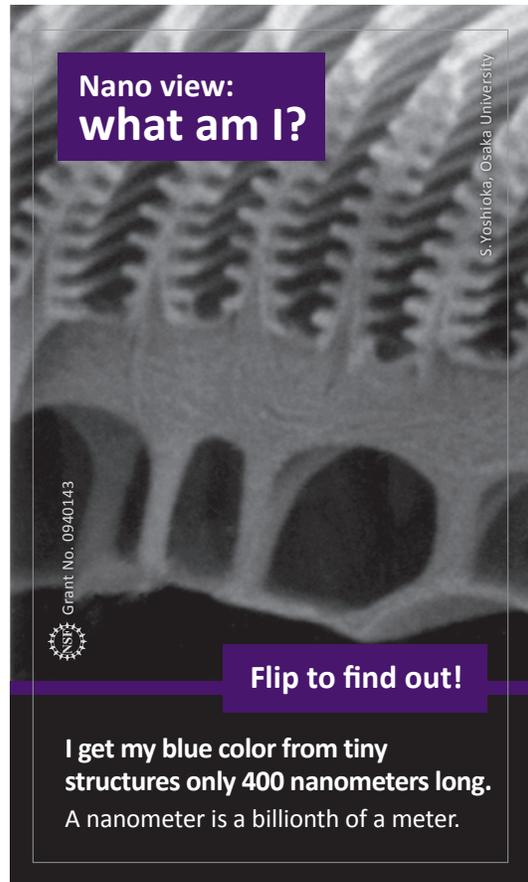
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what am I?**

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A nanometer is a billionth of a meter.



**Nano view:
what am I?**

S. Yoshioka, Osaka University

Grant No. 0940143

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

Macro view:
Blue Morpho butterfly



Flip to look closer!

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

Macro view:
Blue Morpho butterfly



Flip to look closer!

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

Macro view:
Blue Morpho butterfly



Flip to look closer!

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