

Nano Fun Facts!

Name: _____

Snowflakes have six sides because **ice molecules** are shaped like a hexagon!

Scientists have built a **tiny nano car** that's only 3 nanometers wide!

When you use a computer or smart phone, you're using **nanotechnology!**

Your fingernails **grow 1 nanometer** every second!

What do you want to know about nano?

Tiny nano-sized hairs on their feet let geckos **walk on walls!**

Nanotechnology—What's the Big Deal?



What's the smallest thing you can think of?
Write it down or draw a picture!

How many nanometers are in a meter?

What was the most surprising thing you learned about nanotechnology?

Want to learn more?

Check out **whatisnano.org** for more information, videos, and activities about nanotechnology.

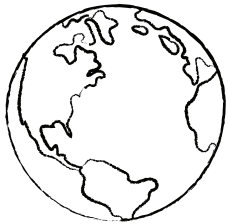
Download the free **DIY Nano** app for iPhone or iPad from the App Store.



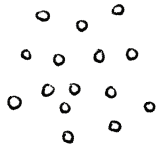
Watch it! Nanotechnology—What's the Big Deal?
You can find the video on YouTube.

Get In Order!

Only one of these things is nano size. Which one is it? Circle it!



Earth



Grain of sand



DNA



Mount Everest



Ladybug

Hint: Remember, nanoscale things are very, very small—too small to see with just your eyes. We can only see them using special tools!

Measure Yourself & Tiny Ruler

How tall are you in nanometers? _____

What else can you measure in nanometers? _____



FOLD HERE



200 million nanometers

190 million nanometers

180 million nanometers

170 million nanometers

160 million nanometers

150 million nanometers

140 million nanometers

130 million nanometers

120 million nanometers

110 million nanometers

100 million nanometers

90 million nanometers

80 million nanometers

70 million nanometers

60 million nanometers

50 million nanometers

40 million nanometers

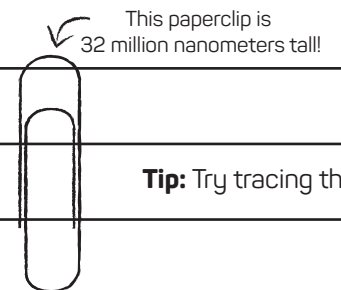
30 million nanometers

20 million nanometers

10 million nanometers

0 nanometers

The lines on this sheet are
10 million nanometers apart!



This paperclip is
32 million nanometers tall!

Tip: Try tracing things!