

Card 1 - front

**We use different scales
to measure things that are
different sizes.**

Card 3 - front

**We use different scales
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different sizes.**

**We use different scales
to measure things that are
different sizes.**

Card 2 - front

**Nano-sized things can
behave in surprising ways.**

Card 4 - front



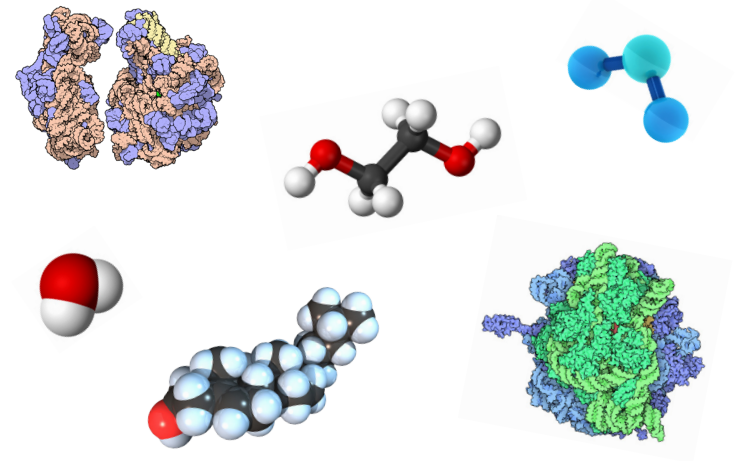
Smaller things like an amoeba are measured in micrometers.



Big things like airplanes are measured in meters.



Nano-sized gold looks red.



Tiny things like molecules are measured in nanometers.

Card 5 - front

Everything is made of atoms.

Card 7 - front

Everything is made of atoms.

Card 6 - front

Everything is made of atoms.

Card 8 - front

Everything is made of atoms.



Atoms are tiny “building blocks” that make up everything on Earth.



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Card 9 - front

**The arrangement of atoms
and molecules helps determine
a material's properties.**

Card 11 - front

**The arrangement of atoms
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Card 10 - front

**The arrangement of atoms
and molecules helps determine
a material's properties.**

Card 12 - front

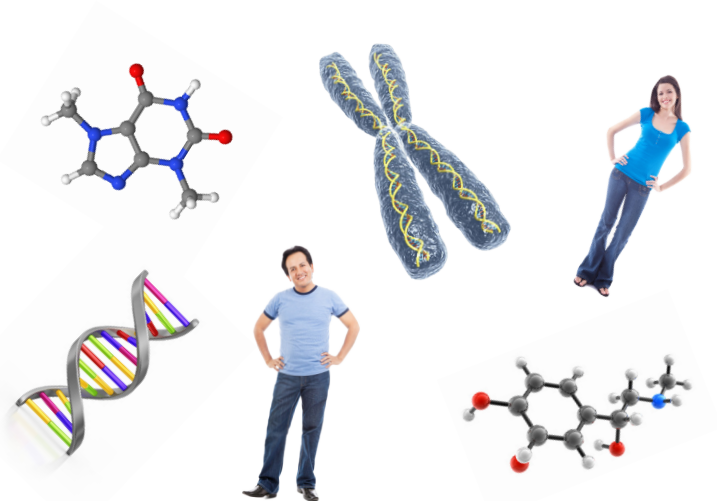
**Nanoscientists study and
make tiny things.**



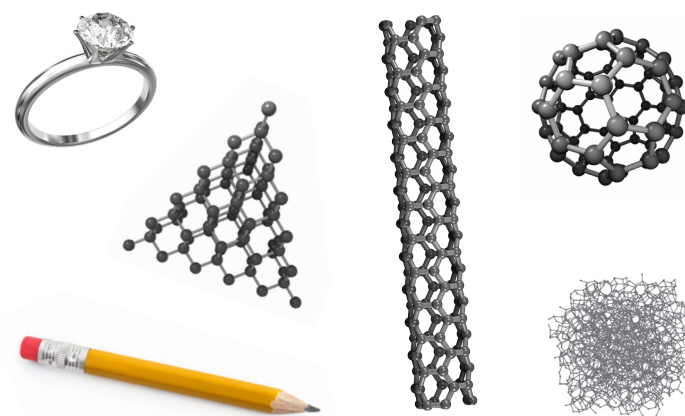
Grains of salt are cubic just like the molecules in salt crystals.



Your sense of smell works by identifying the shape of scent molecules.



DNA is only 2 nanometers across.



Carbon atoms combine in different ways to make different materials.

Card 13 - front

Nanoscientists study and make tiny things.

Card 15 - front

Some beautiful effects in nature are nanoscale phenomena.

Card 14 - front

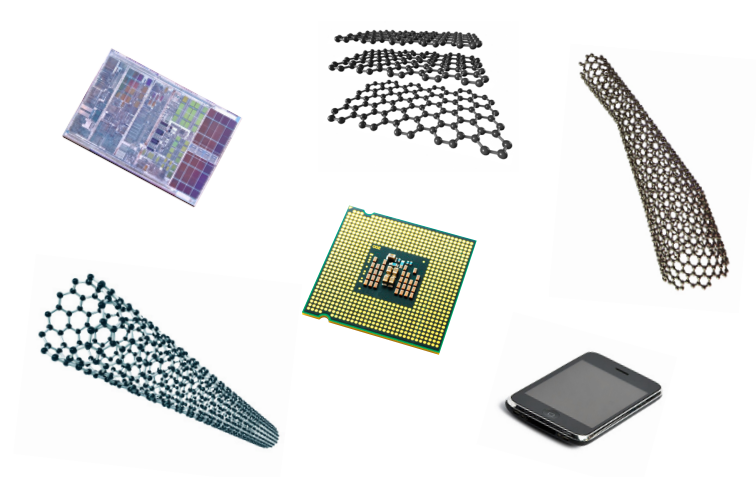
Some nanotechnologies are inspired by nature.

Card 16 - front

Some beautiful effects in nature are nanoscale phenomena.



Some low-energy displays are inspired by nano-sized structures in butterfly wings.



Carbon nanotubes are tiny molecules that can be used in electronics.



Snowflakes are an example of "self-assembly" in nature.



Nano-sized "hairs" on their feet let geckos walk on walls.

Card 17 - front

**Nanotechnology can
be found in products
we use every day.**

Card 18 - front

**Nanotechnology can
be found in products
we use every day.**

Card 19 - front

**Nanotechnology can
be found in products
we use every day.**

Card 20 - front

**Nano may improve
existing products.**



**Nanosilver keeps bacteria
from growing in socks.**



**Nano-sized "whiskers" make some
fabrics stain-resistant.**



**Carbon nanotubes can make
sports equipment stronger and lighter.**



**Thin nanocoatings keep some
toilets from getting dirty.**

Card 21 - front

**Nano may improve
existing products.**

Card 23 - front

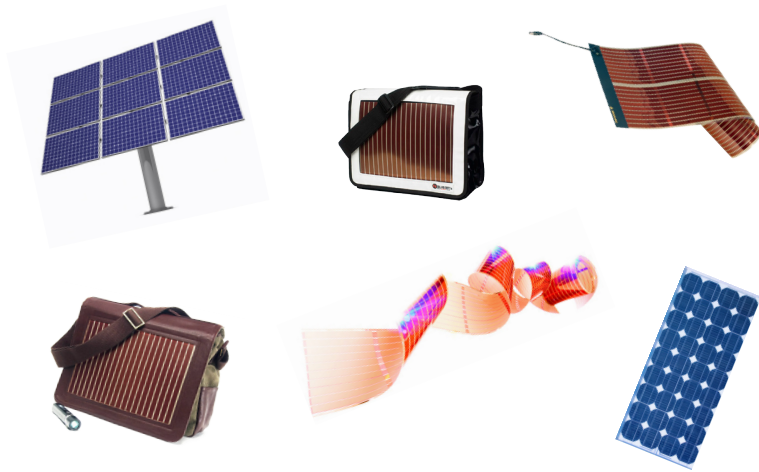
**Nano will affect our
economy, environment,
and personal lives.**

Card 22 - front

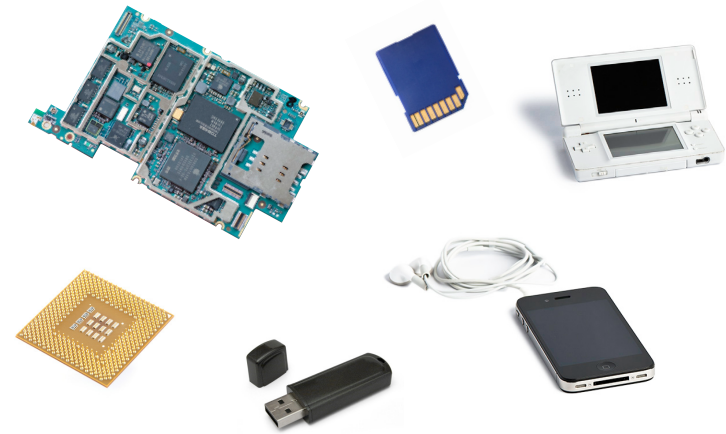
**Nano may lead to new and
innovative technologies.**

Card 24 - front

**We all have a role in shaping
how nanotechnologies develop.**



Thin films can make solar cells flexible and cheaper.



Nanotechnology makes computer chips smaller and faster.



Choices we make as consumers affect the development of nanotechnology.



More and more products we buy include nanotechnology.