

Card 1 - front

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

Card 3 - front

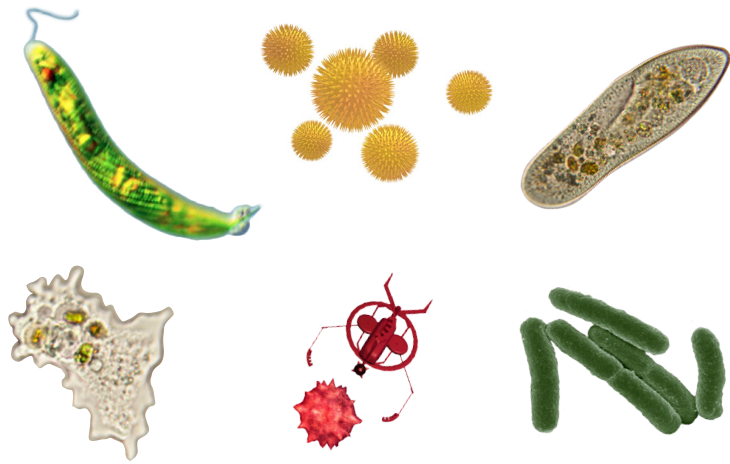
**We use different scales  
to measure things that are  
different sizes.**

Card 2 - front

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

Card 4 - front

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



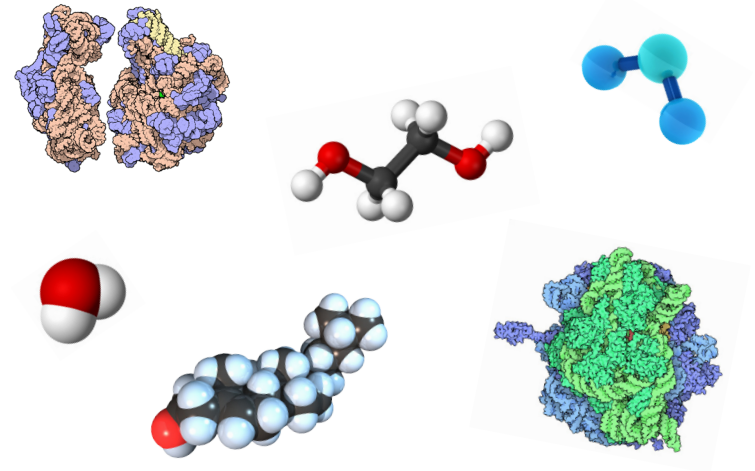
**Smaller things like an amoeba are measured in micrometers.**



**Nano-sized gold looks red.**



**Big things like airplanes are measured in meters.**



**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 and molecules helps determine a material's properties.**

Card 10 - front

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

Card 12 - front

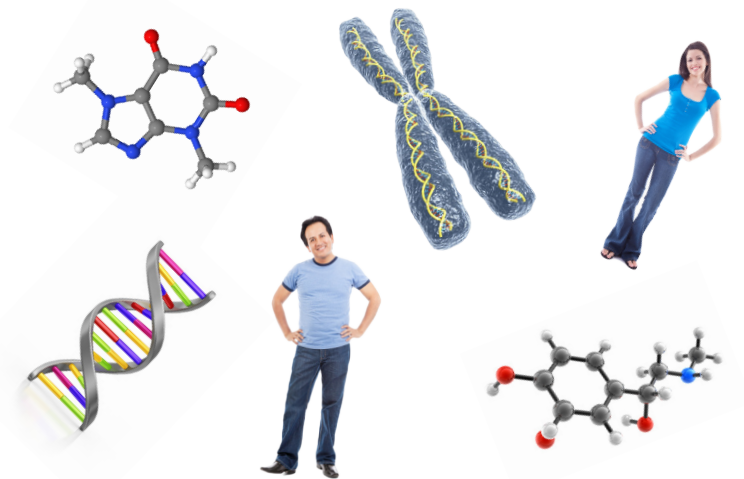
**Nanoscientists study and make tiny things.**



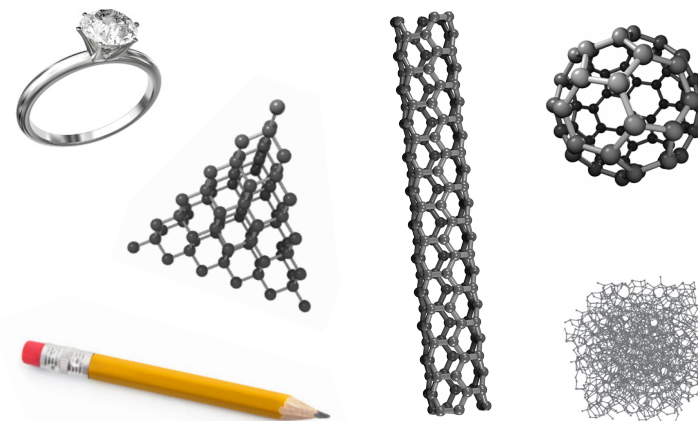
**Grains of salt are cubic just like the molecules in salt crystals.**



**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 14 - front

**Some nanotechnologies are inspired by nature.**

Card 15 - front

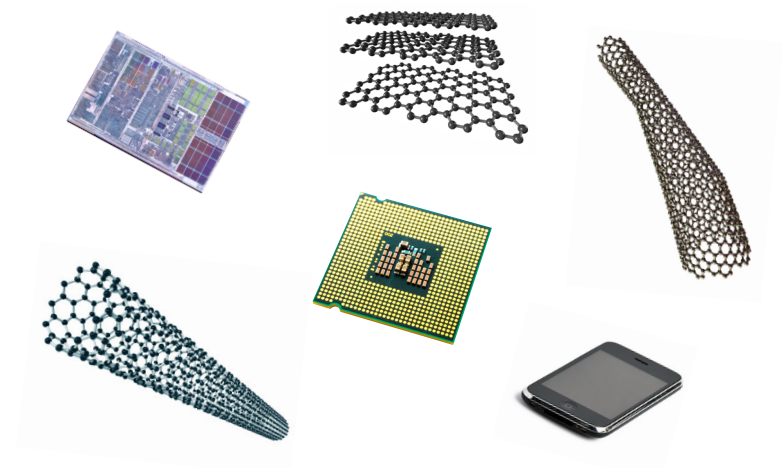
**Some beautiful effects in nature are nanoscale phenomena.**

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 19 - 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 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 22 - front

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

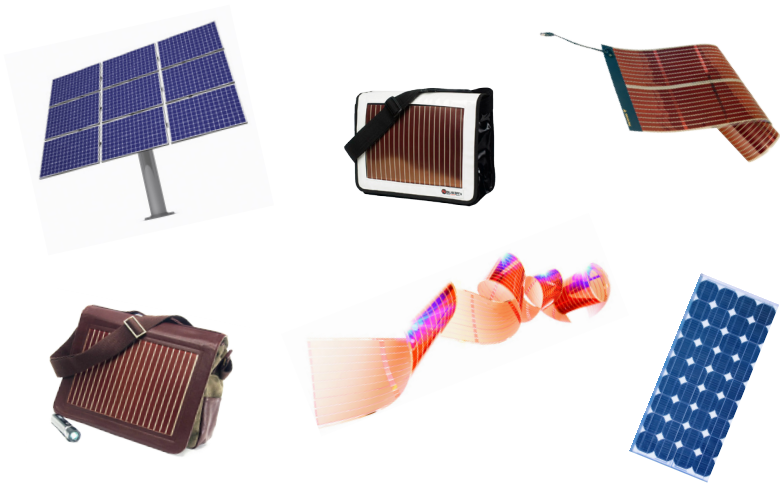
Card 23 - front

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

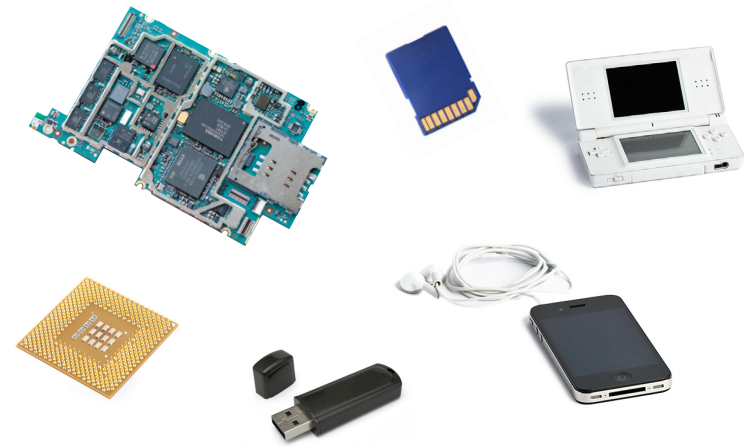
Card 24 - front

**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.**