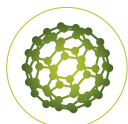


MACRO

MICRO

NANO

Memory Deck



A NISE NETWORK
NANO GAME

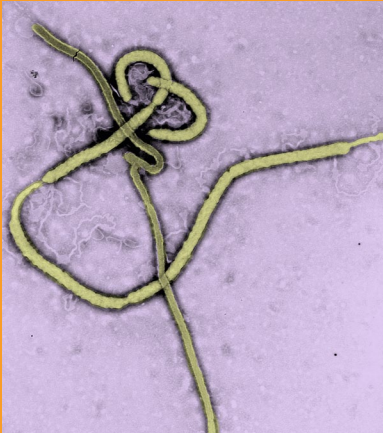
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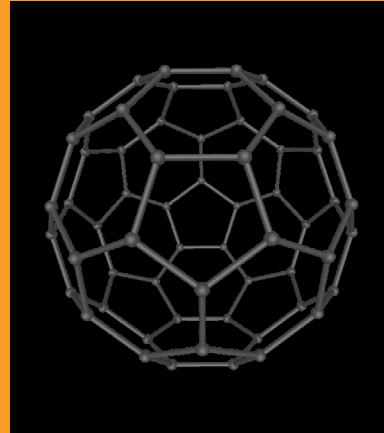
This project was supported by the National Science Foundation under Grant No. ESI-0532536.

Virus
80 nm



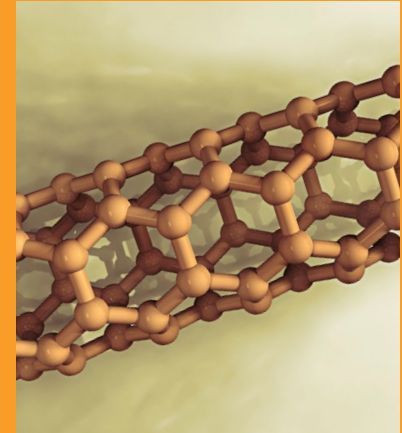
Ebola virus that causes a viral hemorrhagic fever in humans and primates.

Bucky ball
1 nm



Molecule of 60 carbon atoms, shaped like a soccer ball. Possible use as a drug delivery system.

Carbon nanotube
10 nm



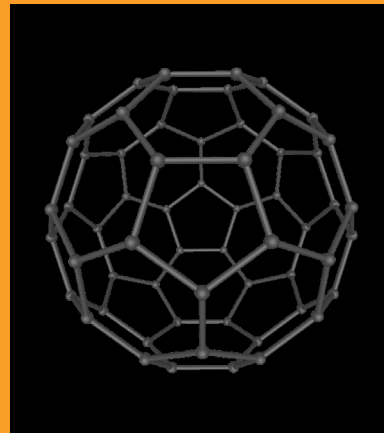
Nanotube structures made of carbon with special properties like extreme strength and conductivity.

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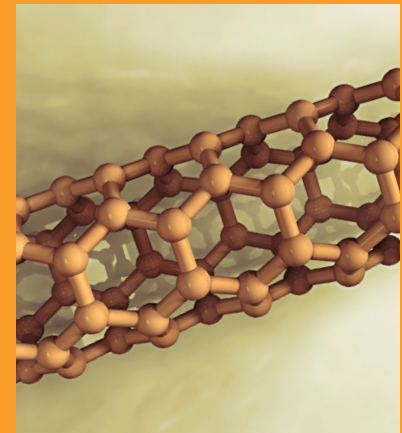
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DNA
2.5 nm



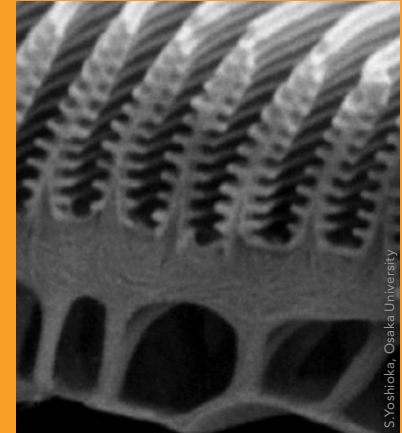
Genetic code present in all life.

Hair on gecko's feet
200 nm



Nano-sized split-hairs called *spatulae* located on gecko feet that make geckos really good climbers.

Butterfly wing microribs
400 nm



Tree-like structures on the undersides of the Blue Morpho's wing that reflect light to create the namesake blue iridescent color.

DNA
2.5 nm



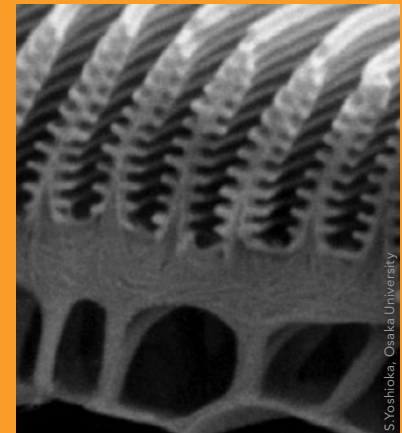
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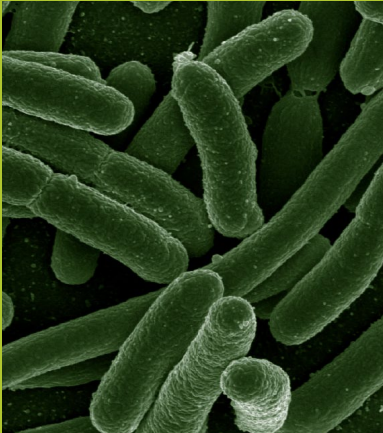
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Bacteria

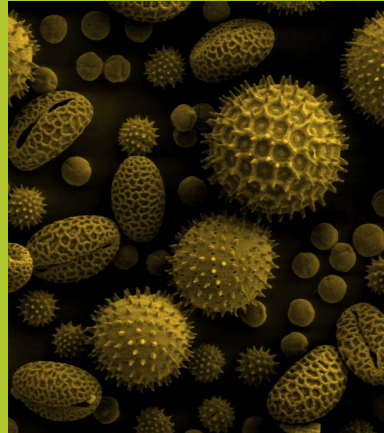
2 μm



E. coli bacteria normally found in intestines that can make people very sick.

Pollen

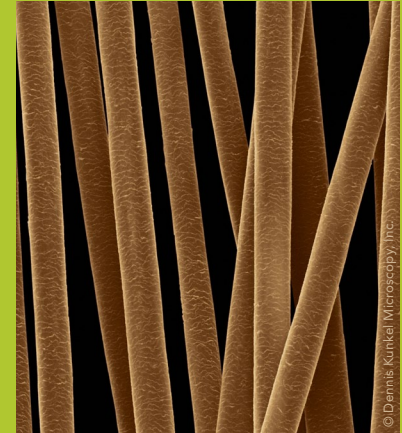
50 μm



Dust containing large amounts of microspores, a part of plant reproduction.

Hair detail

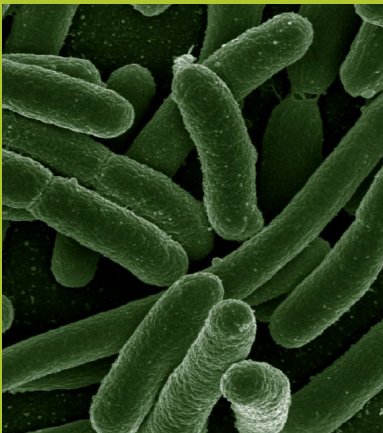
50 μm



Protein filaments that grow from a follicle beneath the skin.

Bacteria

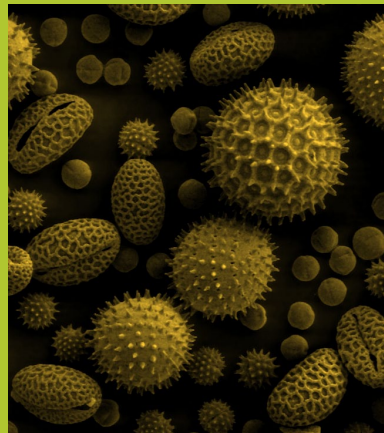
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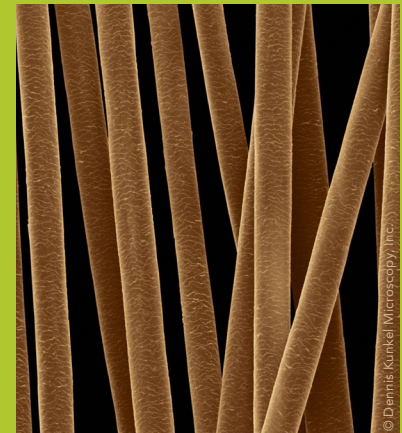
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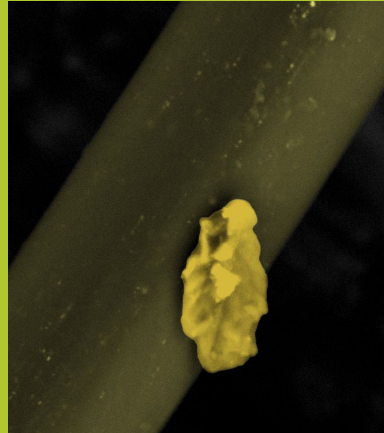
Protein filaments that grow from a follicle beneath the skin.

Dust mite
300 μm



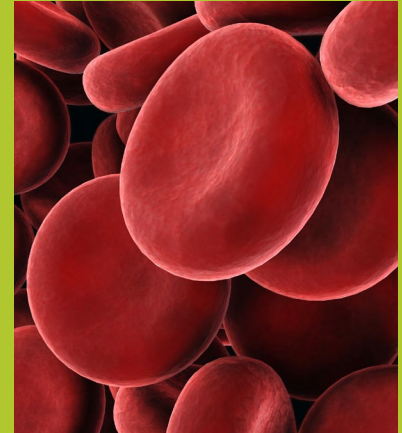
Arachnid commonly found in homes that eats flakes of dead skin.

Dust mite poop
17 μm



Dust mite fecal matter, a major cause of asthma and allergies.

Red blood cell
7 μm



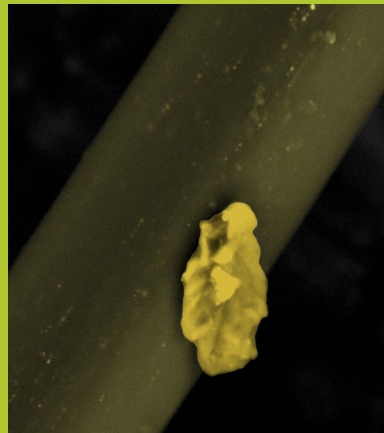
Cells that carry oxygen throughout the body from the lungs.

Dust mite
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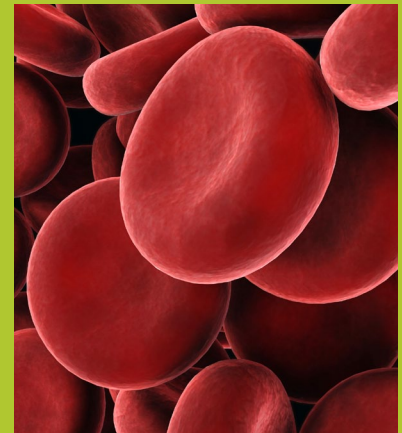
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Oak Tree

20 m



Deciduous tree that can live over 200 years.

Humpback whale

14 m



Large whale species that communicate through complex songs.

You

1 m



An average 6 to 7 year old is one meter tall. One meter is one billion nanometers.

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Gecko
13 cm



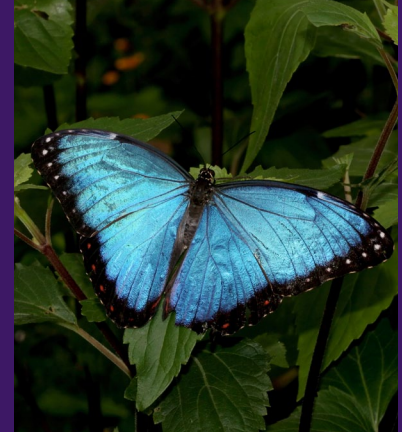
Lizards who are excellent climbers because of nanoscale structures on their feet.

Soccer ball
70 cm



Ball used for a game involving kicking a ball into a goal to score points.

Butterfly
15 cm



Blue Morpho Butterfly, found in Central and South America

Gecko
13 cm



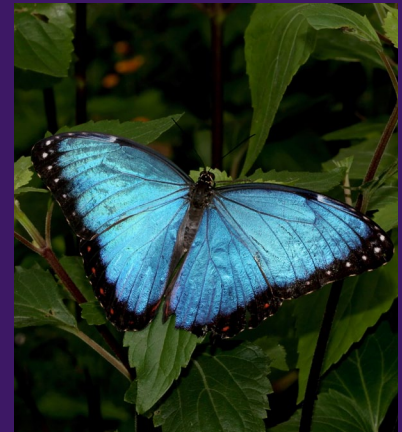
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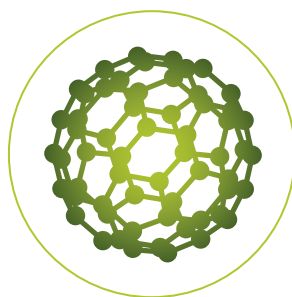


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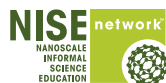


Blue Morpho Butterfly, found in Central and South America



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