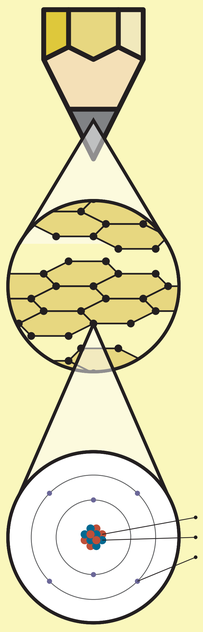
# CARBON STRUCTURES

One of the softest natural materials, graphite is used in pencil lead.

Graphite is a good conductor of electricity.

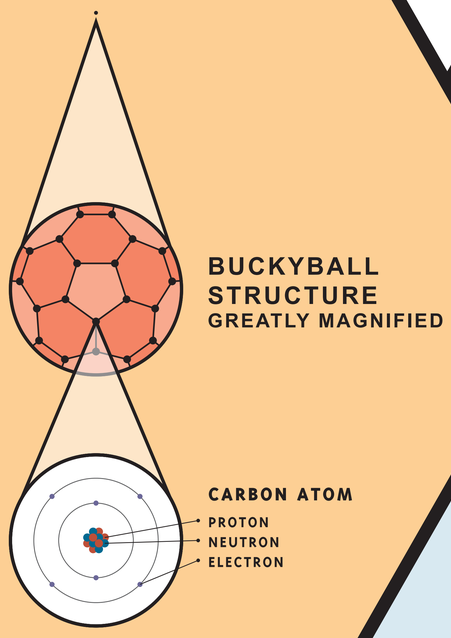
Graphite is also used in medicine to absorb poisons and toxins.

## GRAPHITE




GRAPHITE STRUCTURE
GREATLY MAGNIFIED

## BUCKYBALL



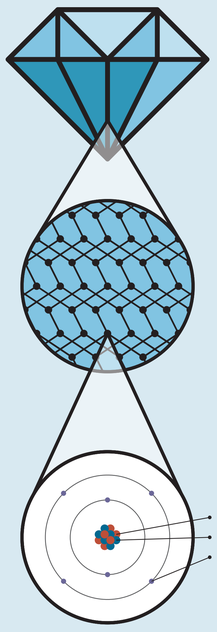

BUCKYBALL
STRUCTURE
GREATLY MAGNIFIED

The form of a bucky-ball closely resembles a soccerball.

Buckyballs are named after the architect Buckminster Fuller.

Buckyballs have potential uses in medicine and may help fight cancer.

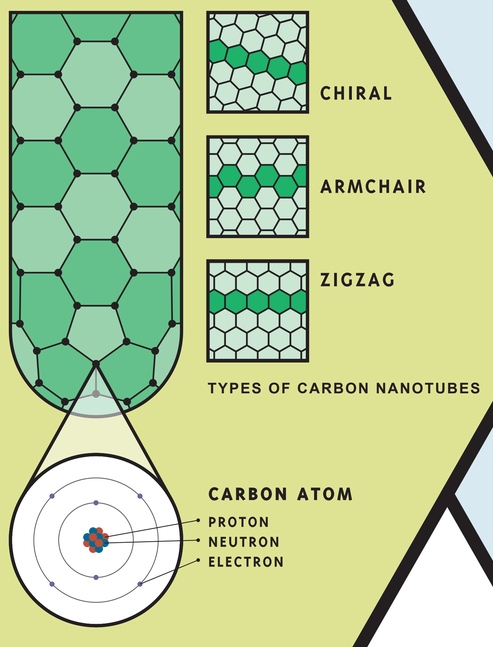
## DIAMOND




DIAMOND STRUCTURE
GREATLY MAGNIFIED

## CARBON NANOTUBE

CARBON
NANOTUBE
STRUCTURE
GREATLY MAGNIFIED




TYPES OF CARBON NANOTUBES

A single human hair is 50,000 times wider than a carbon nanotube.

Carbon nanotubes are useful in electronics and optics.

Carbon nanotubes are extremely strong and conduct electricity well.

Formed at high pressures, diamond is one of the hardest known natural materials.

Diamonds are sometimes used in drill bits to make them very hard.

Diamonds are excellent electrical insulators.

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