

Graphene

Graphene is a single layer of carbon atoms arranged in a honeycomb pattern. Graphene is only one atom thick—that's a fraction of a nanometer! (A nanometer is a billionth of a meter.)

Graphene has a lot of potential in nanotechnology. Manufacturers are researching ways to use graphene in computer chips, by modifying it to make it a semiconductor. Eventually, graphene might be used in thin, flexible electronic components, transparent touch screens, and organic solar cells.

