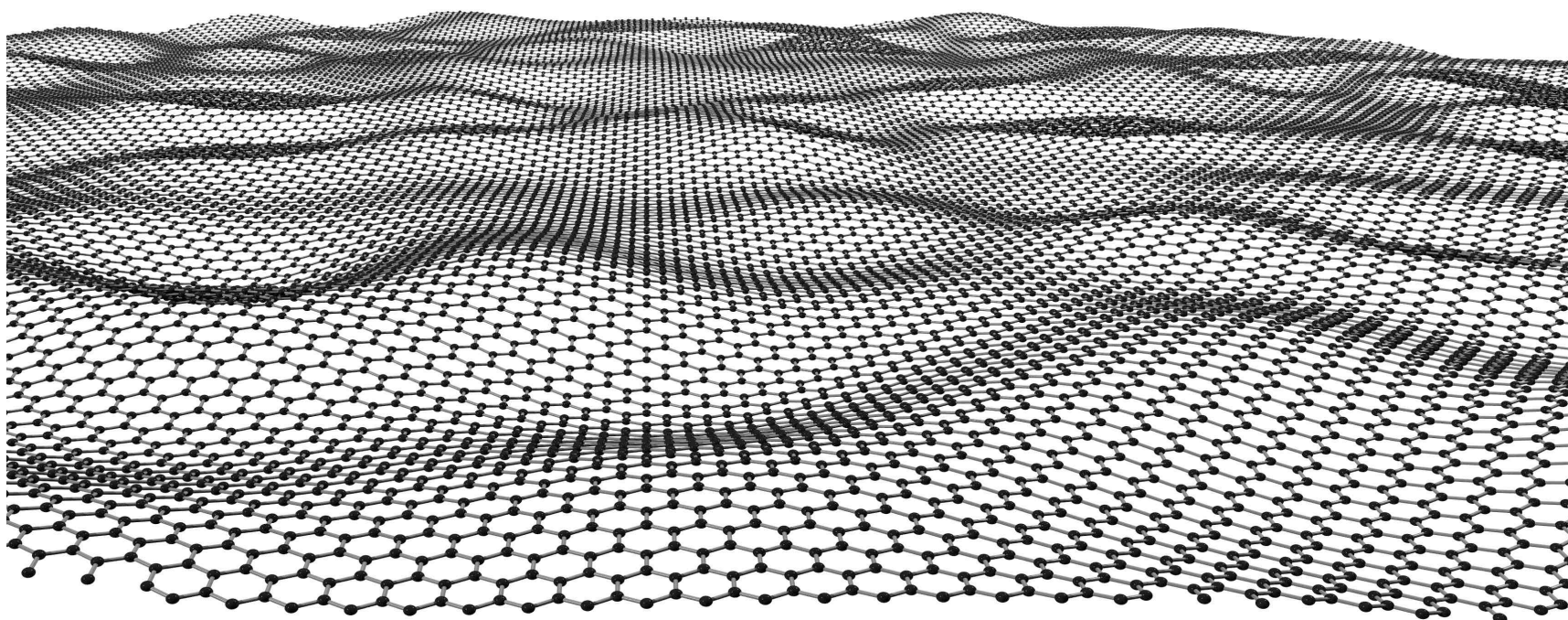




# Graphene

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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 is a new nano material with a lot of potential. Manufacturers are researching ways to use graphene in computer chips, by modifying it to make it a semiconductor. (A semiconductor sometimes conducts electricity and sometimes doesn't.) Eventually, graphene might be used in thin, flexible electronic components, transparent touch screens, and organic solar cells.