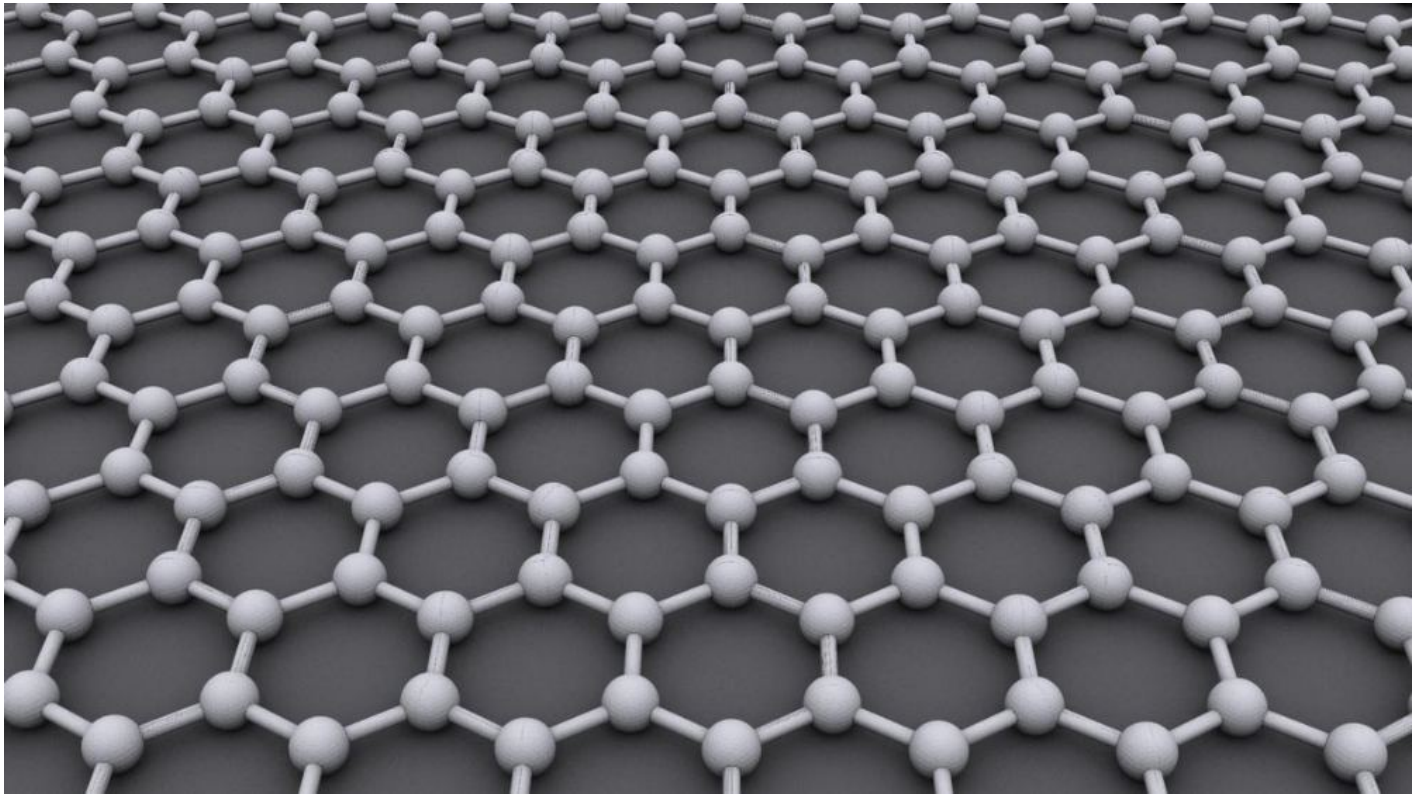


Magnetoresistance

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About Magnetoresistance:

- **What is it?** It is the result of the electrical resistance of a conductor affected by magnetic fields in adjacent materials.
- **Applications:** It is used in hard disk drives and magneto resistive RAM in computers, biosensors, automotive sensors, microelectromechanical systems, and medical imagers etc.

Key facts about Graphene

- It is composed of monolayer of closely packed **carbon atoms** that form a **hexagonal honeycomb lattice**.
- It is the building-block of **Graphite**.
- It is the **thinnest, most electrically and thermally conductive** material in the world.
- It is also tremendously strong—about 200 times stronger than steel and flexible, as well as transparent.
- It is also known as a wonder material due to its vast potential in the energy and medical world.

Q1) What is Graphite?

Graphite is a naturally occurring mineral that is composed of carbon. It has a layered crystal structure and is the most stable form of carbon under normal conditions.

Source: [What is magnetoresistance? It's one more thing graphene does differently](#)

Source: <https://vajiramandravi.com/current-affairs/magnetoresistance/>

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