



Power from Pressure: Understanding Piezoelectricity

Piezoelectricity is a fascinating process where certain materials, like [quartz](#) and lead zirconate titanate (PZT), create electric charges when they are **squeezed or stressed**.

- This happens because the **atoms in these materials get unevenly charged when pressure is applied**, leading to a small electric current.
 - Some materials can even turn **electric currents into physical movements**. These materials are widely used in devices like **sensors and accelerometers** because they are great at turning mechanical signals into electrical ones.
 - This effect is what made **quartz watches so popular and affordable**, as they use this technology to work.
- The name "**piezoelectric**" comes from Greek words meaning 'to squeeze' and amber's association with static electricity.

Read more: [Piezoelectric Effect](#)

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