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issues which
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wide variety of materials which exhibit this phenomenon to some degree, including natural quartz crystals, semi-crystalline polyvinylidene polymer, polycrystalline piezoceramic, bone and even wood.

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materials (FGPM), and
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knowledge of fibrous
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Piezoelectricity is the electric charge that accumulates in certain solid materials (such as crystals, certain ceramics, and biological matter such as bone, DNA and various proteins) in response to applied mechanical stress. The word piezoelectricity means electricity resulting from

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effect. Piezo
materials, including
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generate a voltage in
response to an

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stress.

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accumulates in some
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response to applied
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effect of mechanical
strain and electric
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piezoelectric materials will produce a polarity in the material, and applying an electric field to a piezoelectric material will create strain within the material.

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