

Question:

Physics

The working of the quartz crystal in the watch is based on

- 1 Johnson effect
- 2 Photoelectric effect
- 3 Edison effect
- 4 Piezo electric effect

Downloaded From: eLearn Pro (<https://myelearnpro.com/>)

Concept:**Piezoelectric Effect:**

Piezoelectric Effect is the ability of certain materials *to generate an **electric charge** in response to applied **mechanical stress*** . The word **Piezoelectric** is derived from the Greek piezein, which means to squeeze or press, and piezo, which is Greek for “push”.

eLearn Pro
Learning Made Easy

** Some Hindi Fonts are not rendered properly.*

Downloaded From: eLearn Pro (<https://myelearnpro.com/>)