

In Geology, what is Gutenberg-Richter law?

This refers to a seismic law which states that there is a constant empirical relationship between the frequency of earthquakes in a region and their magnitudes. According to Danish physicist Per Bak who explained the law in his 1996 book, *How Nature Works*, for every 1,000 earthquakes of magnitude 4, for instance, there are 100 earthquakes of magnitude 5, 10 earthquakes of magnitude 6 and so on. The law has been used to argue that seemingly unpredictable events actually follow a simple pattern. It was formulated by American seismologists Charles Francis Richter and Beno Gutenberg in their 1956 paper, "Magnitude and energy of earthquakes".

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This refers to the tendency to form friendships and other forms of interpersonal relationships with people we come across often in our daily lives.

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