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| **G6 Richter Scale – Information Sheet** |

Scientists use a Richter scale to classify earthquakes. The damage increases as the movements of the ground increase in size. The difference between one whole number of magnitude and the next is a 10-times increase in energy. So, an earthquake of 6.0 magnitude releases 10 times more energy than an earthquake of 5.0 magnitude

Humans may be able to feel a magnitude 3 quake if they were sitting still and there were no other noises. The Richter Scale goes from 1 – Greater than 9. Complete the calculations below.

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| Richter Scale Level | How many times more powerful than a 3? calculations here | Final Answer  |
| 1 |  |  |
| 2 |  |  |
| 3 \* We can feel a quake at this level |  |  |
| 4 | 3 to 4 = 1 x 10 = | 10 times as powerful  |
| 5 |  |  |
| 6 |  |  |
| 7 \*This is the video on geogaphypods |  |  |
| 8 | 3 to 8 = 10 x 10 x 10 x 10 x 10 =  | 100,000 times as powerful  |
| 9  |  |  |
| 10 |  |  |



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| Find out about the strongest ever quake recorded and record the details of it (where, when, what happened) in the space below. |
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