

Name: _____ Date: _____

Our Changing Earth

Q1. How earthquakes are measured?

Ans. _____

Q2. How a delta is formed?

Ans. _____

Q3. Sea caves are turned into stacks. Give reason.

Ans. _____

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Q1. How earthquakes are measured?

Ans. An earthquake is measured with a machine called a seismograph. The magnitude of the earthquake is measured on the Richter scale. An earthquake of 2.0 or less can be felt only a little. An earthquake over 5.0 can cause damage from things falling. A 6.0 or higher magnitude is considered very strong and 7.0 is classified as a major earthquake.

Q2. How a delta is formed?

Ans. As the river approaches the sea, the speed of the flowing water decreases and the river begins to break up into a number of streams called distributaries. The river becomes so slow that it begins to deposit its load. Each distributary forms its own mouth. The collection of sediments from all the mouths forms a delta.

Q3. Sea caves are turned into stacks. Give reason.

Ans. Sea waves continuously strike at the rocks. Cracks develop. Over time they become larger and wider. Thus, hollow like caves are formed on the rocks. They are called sea caves. As these cavities become bigger and bigger only the roof of the caves remain, thus forming sea arches. Further, erosion breaks the roof and only walls are left. These walls like features are called stacks.