

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**ARE ROCKS ELASTIC? (ANSWER THESE AS A TEAM)**

**AFTER CLASS DISCUSSION & USING THE EARTHQUAKE MACHINE, ANSWER THESE QUESTIONS:**

1. How can we modify the model so that earthquakes no longer occur?
2. How can we modify the model to make bigger earthquakes?
3. What is elastic in the earth that can store energy?
4. List examples of items that can bend (Elastic) and break (Brittle).
5. How much stress must build up in a pencil before it stops bending and breaks?
6. How much stress can a rubber band store before it breaks?
7. How is a pencil different than a rubber band? How are they both different compared to a rock?

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<b>HILLSIDE WITH BRITTLE ROCK MODEL</b>	<b>HILLSIDE WITH DUCTILE ROCK MODEL</b>

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