Name:_____ Date:_____

CAN EARTHQUAKES BE PREDICTED?

1. In this model, what does the wood block represent?

2. What does the rubber band represent?

3. What does the sandpaper represent?

4. What does a moving block represent?

How much energy will a fault store before it fails? *OR how much stress can a fault take before it releases the pressure in the form of an earthquake?* **Is this constant for all faults?**

HYPOTHESIS:

_____
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_____
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CONCLUSION QUESTIONS:

5. What might the different variables represent in terms of earthquakes and landscape conditions?

- Number of rubber bands =
- Angle of the board =
- Sandpaper grit size =

6. Since the rubber band and string DO NOT go totally slack after each movement, what does this tell you about the release of stored energy on a fault when an earthquake occurs?

7. What new questions do you have about earthquakes?

8. How would you test this differently next time?

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