Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Look at these six terms below and find out what they mean. Make a quick sketch showing how these work to make a building seismically safe. If you find other methods to keep a building seismically safe, list them. You will be creating a structure and will need to justify your building design.

1. Dampers
2. Base Isolators
3. Cross Braces
4. Tension Ties
5. Sheer Walls
6. Flexible Pipes

If you could only use a two or three, which three do you think would be most effective at keeping a building intact after a large earthquake?

Design a building – sketch out your idea of a seismically safe building. You will be sharing with your group on Monday and creating a model made from cardboard and other miscellaneous materials.