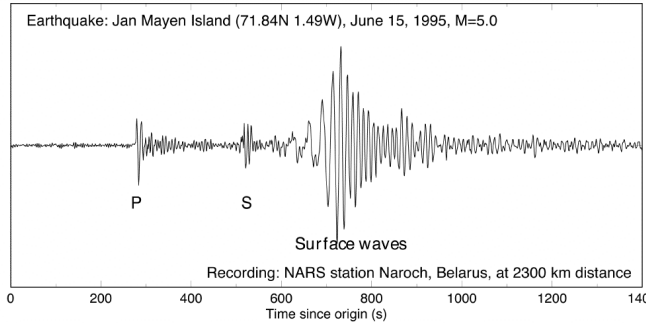


Name: _____ Date _____ Per _____

MEASURING EARTHQUAKES – MAGNITUDE AND INTENSITY

Comparing Richter Scale and Modified Mercalli Scale of Earthquake Intensity



For each of the following, write what it pertains to—either Richter Scale (objective) or Mercalli Scale (subjective) of measuring earthquakes.

- _____ 1. The actual physical waves generated by an earthquake
- _____ 2. The height of the waves drawn by a shaking needle.
- _____ 3. Where people were awakened by the shaking of an earthquake.
- _____ 4. P-waves, S-waves, and Surface waves amplitudes indicating “powers of 10.”
- _____ 5. The crumbling of buildings during the San Francisco Earthquake
- _____ 6. The engineering of buildings and road construction
- _____ 7. Where humans have the ability to make a difference
- _____ 8. Intensity
- _____ 9. Magnitude
- _____ 10. Measurement
- _____ 11. Comparing people’s experiences
- _____ 12. The decision to build on bedrock as opposed to landfill.