

THE MECHANICAL UNIVERSE

Video 17 - Resonance

Name: _____

Class: _____

1. What phenomenon can cause a wine glass to break?
2. What famous bridge fell due to resonance?
3. What determines the quality of a fine instrument?
4. How must a force be applied to cause resonance?
5. What are some key elements of resonance?
6. How do earthquake frequencies compare to audible sounds?
7. What “plays” an Aeolian harp?
8. What is the most spectacular Aeolian harp in history?
9. For 4 months, what was a popular sport on the Tacoma Narrows bridge?
10. What does Dr. Goodstein do with his wine glass at the end of the video?