

## Sci 465 - Exam 1

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

1. If a scientist has a scientific model that s/he uses to understand a phenomena and it's close to fitting real live results but not exactly right, is the model still useful? Why or why not? Use examples from this class to defend your answer.
2. What does the cube activity and the work that seismologists do have in common?
3. Explain how a person becomes an expert in a subject.
4. When we did the activities with the straw instrument, bottles, cup instrument, and guitars in class, what was scientific about our investigations? What exactly did you do that was part of the scientific process? Be specific and mention every aspect.
5. Explain the difference between resonance and sympathetic vibration.
6. Name a relatively "young" science that has been discussed in this class and what is fundamentally "new" in the field?