

Name: _____ Class: _____ Date: _____

The Science of Physics

Concept Review

What Is Physics?

1. Which areas of physics deal with the following?

- a. how fast things move _____
- b. how the shape of a cave affects an echo _____
- c. which sunglasses are best for cutting the glare on a ski slope _____
- d. how the cooling system in a refrigerator works _____
- e. what lightning is _____
- f. how energy is produced by the sun _____

2. Laws governing speed limits on highways are determined by a majority vote by citizens of a state or their representatives. Compare this democratic procedure to the way scientific laws are established with regard to the following questions. Explain your reasoning.

a. Can scientific laws be changed by a vote?

b. Can the speed of light be legislated?

c. Can scientists from other countries change what physicists in the United States think?
