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

True or False? Circle T or F

1. Energy travels in waves. T or F

2. A high frequency wave has a short wavelength. T or F

3. High frequency waves are far apart and low frequency waves are close together. T or F

4. Waves move in one direction only. T or F

5. We see different wavelengths of electromagnetic waves as different colors. T or F

6. X-ray waves are low energy waves. T or F

7. Water waves carry particles of water in the same direction that the wave is traveling. T or F

Multiple Choice: Circle the letter of the best answer

8. Which of the following is correct when you consider the sound that a guitar string

makes when it is plucked?

A. Plucking the string sets up a wave in the string.

B. The waves in the string set up waves in the air which we hear as sound.

C. The waves in the string can be seen on a screen if connected to the proper equipment.

D. All of the above.

9. Which of the following is not a kind of electromagnetic wave?

A. Water waves

B. Microwaves

C. Radar

D. Radio and television waves

10. Which of the following statements regarding earthquake waves is correct?

A. Earthquake waves travel only on the Earth’s surface.

B. Earthquake waves travel only through the Earth.

C. Earthquake waves carried along the surface of Earth cause damage to buildings.

D. None of the above.

A**s** you watch, write 10 facts about waves. Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.