Quiz #5 ALL QUESTIONS ARE WORTH 2 POINTS EACH

1. ***FILL IN THE BLANK.*** Phenomenon is a \_**Fact**\_\_ or situation that is observed to exist or happen.
2. Give me one example of phenomena:

**HERE ARE SOME EXAMPLES: WEATHER, TORNADOES, VOLCANO ERUPTIONS, THUNDERSTORMS.**

1. ***SELECT THE CORRECT ANSWER.*** Phenomena is described by…
2. Forms of waves
3. Amplitude of the wave
4. Mathematical concept of waves **ANSWER**
5. Do mechanical waves need a medium to travel? Give me ***ONE*** example of a mechanical wave.

**YES, THEY NEED A MEDIUM. EXAMPLES: SOUND WAVES, AIR WAVES, EARTHQUAKES, ROPE WAVES, AND TSUNAMI WAVES.**

1. Do electromagnetic waves need a medium to travel? Give me ***ONE*** example of electromagnetic wave.

**NO, THEY DON’T NEED A MEDIUM. EXAMPLES: LIGHT, MICROWAVE, X-RAYS, ULTRAVIOLET, AND RADIO WAVES.**

1. What causes mechanical waves?

**MECHANICAL WAVES OCCUR BECAUSE OF VIBRATION OF SOME KIND**

1. What causes electromagnetic waves?

**ELECTROMAGNETIC WAVES OCCUR BY THE ELECTRICAL CHARGE.**

1. ***FILL IN THE BLANK.*** Waves transport **ENERGY**\_ .
2. ***SELECT THE CORRECT ANSWER.*** Propagate means to…
3. Spread and promote widely **ANSWER**
4. Start at the beginning
5. Move faster
6. ***IS THIS SENTENCE TRUE OR FALSE.*** Electromagnetic waves are classified by frequency or wavelength.

ANSWER **TRUE**\_

***EXTRA CREDIT***

1. Look at the picture and tell me what happens to the air molecules, string, and the cups to promote sound waves through the telephone cups.