|  |  |
| --- | --- |
| Name: | Grade |
| Date: |  |
| Class: |  |

8th grade Physical Science

Five-A-Days Week 23

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Monday | Tuesday | Wednesday | Thursday | Friday |
| M1: A disturbance that transfers energy through matter and space is known as? | T1: Do waves move objects back and forth? | W1: Waves are composed 100% of what? | Th1: What kind of wave requires a medium to transfer energy? | F1: \_\_\_\_\_\_\_\_\_\_\_\_\_ waves do not need a medium—they can travel through empty space. |
| M2: What is the top of a wave called? What is the bottom of a wave called? | T2: What is the distance between two consecutive points in phase on a wave called?  | W2: In longitudinal waves the particles in the medium move \_\_\_\_\_\_\_\_\_\_\_to the wave. | Th2: What are three examples of longitudinal waves? | F2: Regions in a sound wave where particles are farthest apart are called\_\_\_\_\_\_\_\_\_\_\_? |
| M3: the wave at the original resting position is known as?  | T3: The shorter the wavelength the \_\_\_\_\_\_\_ the frequency. | W3: What type of wave is a surface wave? | Th3: What is made up of alternating electric and magnetic fields that are perpendicular to each other? | F3: Light travels in \_\_\_\_\_\_\_\_\_\_\_\_ waves. |
| M4: the distance from the equilibrium to the crest or trough. | T4: What are the 3 types of mechanical waves? | W4: How do EM waves travel? | Th4: Approximately how fast do EM waves travel?  | F4: In which medium would sound move the fastest?a. vacuum b. waterc. air d. steel |
| M5: \_\_\_\_\_\_\_\_ is the number of waves that pass a given point in 1 second. There is an \_\_\_\_\_\_\_\_\_ relationship between frequency and wavelength of a wave | T5: In transverse waves the particles, after being disturbed, temporarily move \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the path of the wave.  | W5: What EM wave has the longest wavelength? | Th5: What EM wave has the least amount of energy? | F5: What do playing a guitar, banging a drum, and dropping a pebble in the water have in common? |