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

8th grade Physical Science

Five-A-Days Week 24

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| Monday | Tuesday | Wednesday | Thursday | Friday |
| M1: The distance between the rest position and a crest or a trough of a wave is known as the  | T1: The number of wavelengths that pass a given point in 1 second is known as the waves? | W1: What is the distance between adjacent wave compressions? | Th1: What is the lowest point on a transverse wave called? | F1: What is the materials through which a mechanical wave travels? |
| M2: A wagon and it’s contents have a combined mass of 655kg. What is the wagon’s acceleration if an unbalanced force of 895 N is applied?  | T2: What is the mass of a truck that produces a force of 9,000 N while accelerating at 4.4 m/s squared?  | W2: An object’s potential energy is determined by its height above ground and also its | Th2: A book is sitting on a table. Which of the following actions would add to its potential energy?Lifting itOpening itSliding it | F2: Which type of potential energy is stored in food and can be released by the body to do work? |
| M3: What energy is being created when you load an arrow into a bow? | T3: What type of energy is stored in a battery? | W3: What happens to magnetic potential energy when repelling magnets are forced together? | Th3: An electric stove heating an iron pan is an example of  | F3: Thermal energy is added to four identical samples of water. What increases in each sample? |
| M4: Heat transfer from water at the bottom of a pot to water at the top is an example of  | T4: The warmth you feel sitting next to a fire is due to  | W4: If you place 3 spoons into hot water, one wood, one plastic, and one metal, which spoon would be most likely to transfer the heat of the water? | Th4: Warm air is pushed up by cooler air during convection because the warm air is  | F4: A balloon filled with room temperature air and then put in a sunny place expands slightly due to a rise in temperature. This is due to the molecules of air |
| M5: Sunlight heating the interior of a car on a sunny day is an example of  | T5: The warmth you feel holding a warm cup of cocoa is an example of  | W5: The EM waves with the highest frequencies are called  | Th5: The EM waves with the longest wavelength are called | F5: What is being transferred between a cell phone tower and a cell phone through radio waves? |