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| Name: | Score |
| Date: |  |
| Class: |  |

8th grade Physical Science

Five-A-Days Week 27

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| Monday | Tuesday | Wednesday | Thursday | Friday |
| M1: Why does light refract when it encounters the glass in a lens? | T1: In order for you to see an object, what must happen? | W1: Waves in water are mechanical waves in which the particles in the medium move in a direction perpendicular to the direction of energy transport. Identify another name for this type of wave motion. | Th1: A disturbance that transfers energy from place to place is called a? | F1: Frequency is measured in units called? |
| M2: The bending of light rays as they enter a new medium is called? | 2: When the surface of a mirror curves inward, like the inside of a bowl, it is called a? | 2. Which waves have some electrical properties and some magnetic properties? | 2. What type of image does a plane mirror produce? | 2. The \_\_\_\_ of a mechanical wave is a direct measure of its energy? |
| M3: What happens when parallel rays of light hit a smooth surface? | 3. A material that reflects or absorbs any light that strikes it is? | 3. Electromagnetic waves can transfer energy without a? | 3. A mirage is caused by \_\_\_ as light passes through layers of air at different temperatures. | 3. Red light has the longest \_\_\_ of any color of visible light. |
| M4: The interaction between two waves that meet is called? | 4. Frosted glass and wax paper can be considered? | 4. Waves combine to produce a smaller or zero-amplitude wave in a process called? | 4. A \_\_\_\_\_ materials is one that allows light to pass through it, but not very well. | 4. The change in frequency of a wave produced by a moving source is called the \_\_\_. |
| M5: The highest parts of a transverse wave are called? | 5. When a police officer uses radar for speed control, the officer is using what kind of electromagnetic waves? | 5. What happens when light passes from air into water? | 5. Diffuse \_\_\_\_\_ occurs when parallel rays of light hit a bumpy, or uneven surface. | 5. The use of sound waves by some bats to navigate and find food is called? |