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

8th grade Physical Science

Five-A-Days Week 22

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| Monday | Tuesday | Wednesday | Thursday | Friday |
| NO School | T1: A scoop of baking soda is added to a beaker containing vinegar. The baking soda disappears and bubbles are observed. This is an example of a \_\_\_\_\_ change? | W1: A boulder that is resting on the top of a cliff slips over the edge and accelerates towards the ground. As the rock falls, the amount of kinetic energy\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | T1: Marina is using a metal spoon to stir her soup. Why does the spoon feel warm? | F1: What type of heat transfer is used to fry an egg in a pan and how can you tell? |
|  | T2: Which statement describes evidence of a chemical reaction?  a. ice melting  b. water boiling  c. lighting a match  d. grape juice freezing | W2: A generator converts mechanical energy into \_\_\_\_\_\_\_\_\_\_ energy. | T2: The method of heat transfer by which the sun warms the earth is known as: | F2: Which of the following particles combine to form molecules?  a. atoms  b. protons  c. compounds |
|  | T3: Which of these are an example of a physical change?  a. burning wood  b. rusting metal  c. freezing water | W3: A solar powered car converts \_\_\_\_\_ energy into \_\_\_\_\_ energy. | T3: Which materials would be BEST to use for heating up food?  a. copper  b. ceramic  c. foam  d. plastic | F3: What is the positively charged particle in an atom? |
|  | T4: Which substance is an example of an element?  a. air  b. copper  c. carbon dioxide | W4: On Halloween, you take a glow stick, crack the capsule inside and shake it until it glows. This is an example of light energy being created from \_\_\_\_\_ energy. | T4: Energy is transferred by conduction is solids, which means that…. | F4: What are the four main characteristics of a wave? |
|  | T5: The law of conservation of matter states that during a chemical reaction, the amount of \_\_\_\_\_\_\_\_\_\_. | W5: Maria’s father started a fire in the fireplace. He crumpled some paper, lit a match, and soon the logs in the fireplace were burning. In this case, the stored chemical energy in the logs was changed into | T5: Conduction occurs more easily between solids and liquids. This is because the particles in gases are…. | F5: Define amplitude. |