**Name**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Class**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **DUE**: \_\_\_\_\_\_\_\_\_\_\_

weekly **HOMEWORK**: science

**AUGUST** **2018**

S M T W T F S

1 2 3 4

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

6.PS3.3 – Energy Stored and Energy Transferred

**Construct a scientific explanation of the transformations between potential and kinetic energy.**

MONDAY TUESDAY WEDNESDAY THURSDAY

|  |  |  |  |
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| 13  6.PS3.3  Vocabulary  Write the definitions for the following terms using the resource provided:   1. Energy 2. Potential Energy 3. Kinetic Energy   DUE FRIDAY | 14  6.PS3.3  Identify  Label (PE) for wherever you see potential energy in the Self-Watering Palm Tree Diagram. Label (KE) for wherever you see kinetic energy in the same Diagram.  DUE FRIDAY | 15  6.PS3.3  Identify  Label (PE) for wherever you see potential energy in the “Closing the Windows While You Are Away” Diagram. Label (KE) for wherever you see kinetic energy in the same Diagram.  DUE FRIDAY | 16  6.PS3.3  Create  Think up and draw a **three-step** Rube Goldberg machine in the box provided. Use what you have learned this week in class and through your homework to complete the activity. It does not have to be elaborate. Write a description of where energy is stored and where it is being transferred on the side.  DUE FRIDAY |

Staple this sheet to the **front** of your completed homework packet prior to submitting it on Friday.

Mr. Walls 6th Grade Science Class Homework

**Monday**

Write the definitions for the following terms using the resource provided:

|  |
| --- |
| **Energy -** |
|  |
| **Potential Energy -** |
|  |
| **Kinetic Energy -** |
|  |

**Tuesday**

Label (PE) for wherever you see potential energy in the Self-Watering Palm Tree Diagram. Label (KE) for wherever you see kinetic energy in the same Diagram.

**Wednesday**

Label (PE) for wherever you see potential energy in the “Closing the Windows While You Are Away” Diagram. Label (KE) for wherever you see kinetic energy in the same Diagram.

**Thursday**

Think up and draw a **three-step** Rube Goldberg machine in the box below. Use what you have learned this week in class and through your homework to complete the activity. It does not have to be elaborate. Write a description of it on the side.

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