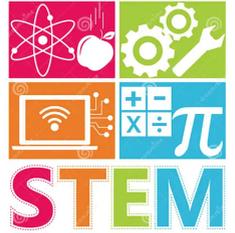


# SCIENCE Newsletter



Week of : Jan. 29th to Feb. 2nd , 2024

## 4A,B,C,D,E Home Learning

|                  |                                       |
|------------------|---------------------------------------|
|                  | <b>4A,B,C,D,E Home Learning</b>       |
| <b>Monday</b>    | Study the Vocabulary on Quizlet       |
| <b>Tuesday</b>   | Kinetic or Potential Energy worksheet |
| <b>Wednesday</b> | Forms of Energy Crossword Review      |
| <b>Thursday</b>  | Study the Vocabulary on Quizlet       |
| <b>Friday</b>    | No Homework - enjoy your weekend!     |

## Vocabulary



forms of energy  
potential energy  
kinetic energy  
electrical  
light  
reflects  
bends  
absorbs  
opaque  
transparent  
translucent  
sound  
vibrations  
wave  
pitch  
volume  
heat  
friction motion  
speed  
collision  
mass  
transfer

## Reminders



- H/W due Friday 02/02
- Topic 4 Lessons 1-3  
Vocabulary Quizlet



Name: \_\_\_\_\_

## Kinetic or Potential energy ?

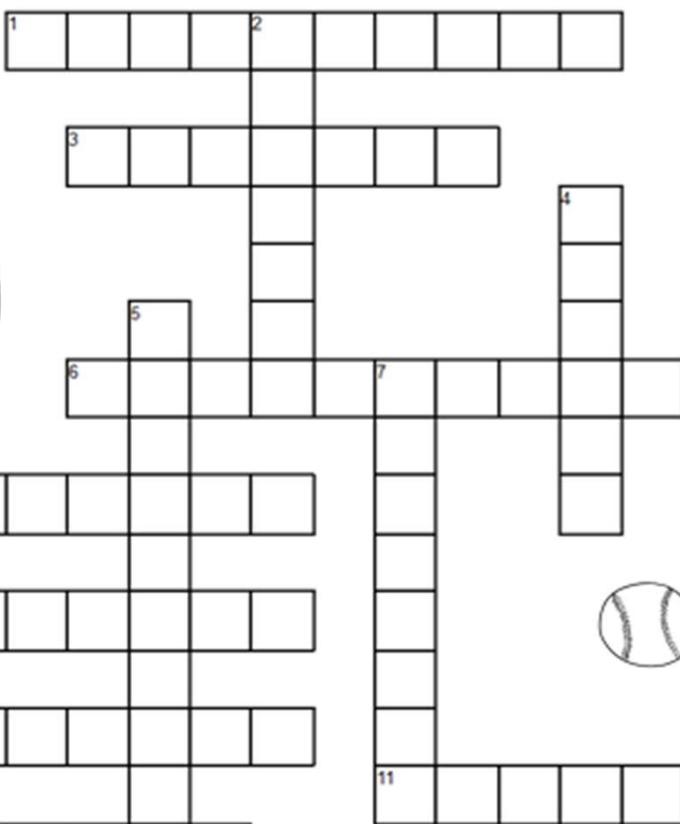
**Potential energy** is stored energy and is waiting to work.

**Kinetic energy** is energy that is working.

- 1) When a boy is sitting, it is \_\_\_\_\_ energy.
- 2) When a boy is jumping, it is \_\_\_\_\_ energy.
- 3) If the giant wheel is still, it is \_\_\_\_\_ energy.
- 4) If the giant wheel is moving, it is \_\_\_\_\_ energy.
- 5) When the bird is sitting on the tree, it is \_\_\_\_\_ energy.
- 6) When the bird is flying, it is \_\_\_\_\_ energy.
- 7) If the fan switch is \_\_\_\_\_, it is potential energy.
- 8) If the fan switch is \_\_\_\_\_, it is kinetic energy.
- 9) When the car is \_\_\_\_\_, it is potential energy.
- 10) When the car is \_\_\_\_\_, it is kinetic energy.

NAME \_\_\_\_\_

## Forms of Energy Crossword Review



### ACROSS

- 1 energy caused by the movement of electrical charges
- 3 The energy of motion
- 6 when light or sound waves bounce off an object
- 8 the ability to cause motion or create change
- 9 an objects potential energy plus its kinetic energy
- 10 The energy on object has because of its position (stored energy)
- 11 energy that can be seen and can travel through space
- 12 travels in waves vibrating through matter

### DOWN

- 2 the energy of moving particles or heat energy
- 4 Sound waves that do not bounce off a material, instead they go into the material
- 5 when light bends as it passes from one material to another
- 7 energy that is stored in substances

