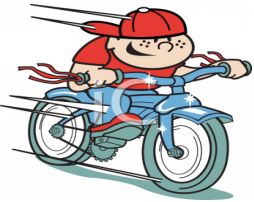


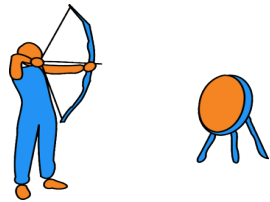


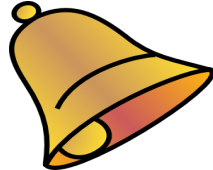



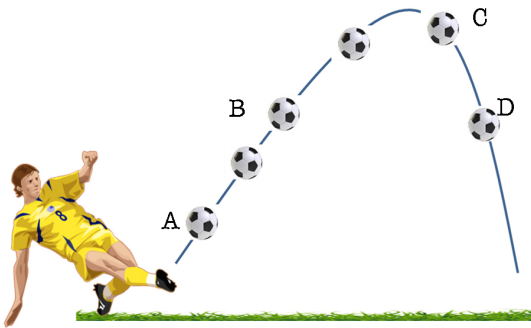
# Intervention 8.2.2 Kinetic and Potential Energy

Circle PE (potential energy) or KE (kinetic energy) below each picture.

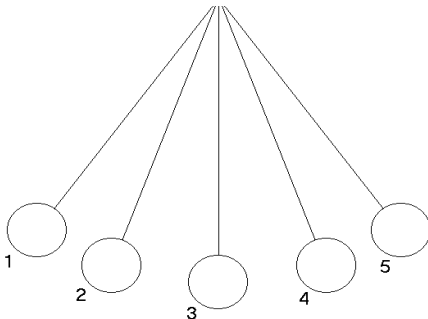
Person riding a Bicycle 	A Flying Bat 	Batteries not being used 	A bow extended 
PE or KE	PE or KE	PE or KE	PE or KE
A bowl of fruit 	Bowling ball hitting pins 	A Bell ringing 	A show car not moving 
PE or KE	PE or KE	PE or KE	PE or KE

Label the following as KE (Kinetic Energy) or PE (Potential Energy).

- \_\_\_\_\_ a moving skateboard
- \_\_\_\_\_ a bird sitting on a branch
- \_\_\_\_\_ a glass of milk
- \_\_\_\_\_ gasoline
- \_\_\_\_\_ a dry cell battery
- \_\_\_\_\_ a cat sitting on a fence
- \_\_\_\_\_ a person climbing a ladder
- \_\_\_\_\_ a piece of celery
- \_\_\_\_\_ blowing wind



Which position of the soccer ball shows:  
 MOST Potential energy \_\_\_\_\_  
 MOST Kinetic energy \_\_\_\_\_



Which position(s) on the pendulum show:  
 MOST Potential energy \_\_\_\_\_  
 MOST Kinetic energy \_\_\_\_\_

# Bill Nye- Energy

1. When we do something we are using \_\_\_\_\_.
2. Energy can be \_\_\_\_\_ from one form to another.
3. When energy is stored, we call it \_\_\_\_\_ energy.
4. When energy is moving, we call it \_\_\_\_\_ energy.
5. When we do something we are using \_\_\_\_\_.
6. Lifting the tank of water gave it \_\_\_\_\_ energy.

This energy was converted into \_\_\_\_\_ energy when the water flowed down the tube.

The water was used to power a generator, creating \_\_\_\_\_ energy.

7. Baking soda plus vinegar gives us a chemical \_\_\_\_\_.
8. The cork popped off the bottle because \_\_\_\_\_ energy was changed to \_\_\_\_\_ energy.
9. In the bowling ball demonstration, we pull the bowling ball back and give it \_\_\_\_\_ energy.
10. When we release the bowling ball we give it \_\_\_\_\_ energy.
11. Three substances that can make electricity are:
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 3) \_\_\_\_\_
12. A laser converts \_\_\_\_\_ energy into \_\_\_\_\_ energy by making \_\_\_\_\_ molecules vibrate.
13. Fossil fuels are something that we pump or \_\_\_\_\_ up.
14. The energy we get from foods which began as \_\_\_\_\_ energy from the sun.
15. Only about \_\_\_\_\_% of your body's chemical energy is used to move around. The rest is turned to \_\_\_\_\_.
16. Whenever energy is converted from one form to another a little bit of it ends up as \_\_\_\_\_.