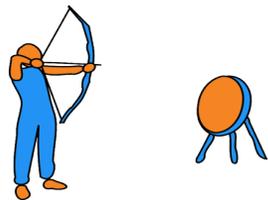
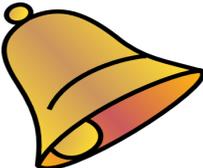


## Intervention 8.2.2 Kinetic and Potential Energy

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

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

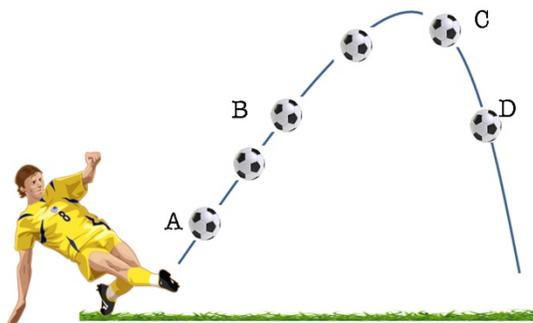
\_\_\_\_\_ a dry cell battery

\_\_\_\_\_ a cat sitting on a fence

\_\_\_\_\_ a person climbing a ladder

\_\_\_\_\_ a piece of celery

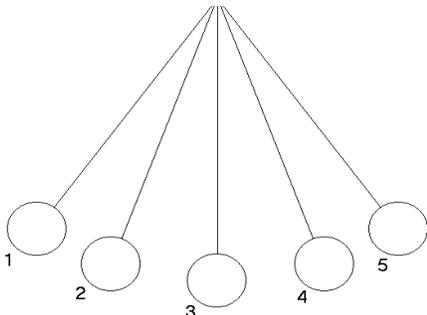
\_\_\_\_\_ blowing wind



Which position(s) 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 \_\_\_\_\_.