

Potential and Kinetic

1. A 75-kg refrigerator is located on the 70th floor of a skyscraper (300 meters above the ground) What is the potential energy of the refrigerator?

2. A car is traveling with a velocity of 40 m/s and has a mass of 1120 kg. The car has _____ energy. Calculate it.

Classify the following as a type of potential energy or kinetic energy (use the letters K or P)

1. A bicyclist pedaling up a hill _____
2. An archer with his bow drawn _____
3. A volleyball player spiking a ball _____
4. A baseball thrown to second base _____
5. The chemical bonds in sugar _____
6. The wind blowing through your hair _____
7. Walking down the street _____
8. Sitting in the top of a tree _____
9. A bowling ball rolling down the alley _____
10. A bowling ball sitting on the rack _____

What examples can you find in your home that are examples of kinetic and potential energy? (name two for each type of energy)

11. Kinetic:

12. Kinetic:

13. Potential:

14. Potential:
