Match the items in Column I with the terms or phrases in Column II. Write the letter of the correct term or phrase in the blank on the left.

Column I	Column II
_____ 1. work	a. total amount of kinetic and potential energy in a system
_____ 2. energy	b. energy may change from one form to another, but it cannot be created or destroyed under ordinary conditions
_____ 3. mechanical energy	c. stored energy
_____ 4. potential energy	d. transfer of energy through motion
_____ 5. kinetic energy	e. energy in the form of motion
_____ 6. law of conservation of energy	f. the ability to cause change

Use the definitions of kinetic energy and potential energy to decide what kind of energy each example listed below has. Write KE for kinetic energy and PE for potential energy.

Kinetic energy is energy in the form of motion. Potential energy is stored energy. The amount of potential energy in a sample of matter depends on its position or condition.

_____ 1. a moving skateboard

_____ 2. a rock at the edge of a cliff

_____ 3. a glass of milk

_____ 4. gasoline

_____ 5. a basketball passing through the hoop

_____ 6. a dry cell of a battery

_____ 7. an acorn hanging from an oak tree

_____ 8. a person climbing a ladder

_____ 9. a piece of celery

_____ 10. blowing wind

Complete the chart below by listing each of the examples of potential energy above in the correct column.

Gravitational Potential Energy	Chemical Potential Energy