

Name: _____ Period: _____ Date: _____

Energy Pie Charts

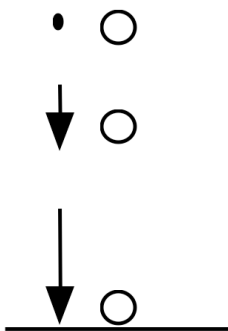
INSTRUCTIONS: Use pie charts to analyze the energy changes in each situation given.

• Divide the pies in a qualitatively accurate fashion, and label them with the energy storage mechanism involved.

1. A ball is held above the ground, and then is dropped so it falls straight down.
(Restrict your analysis to the ball moving in the air, BEFORE it hits the ground.)

List the objects in your system

--



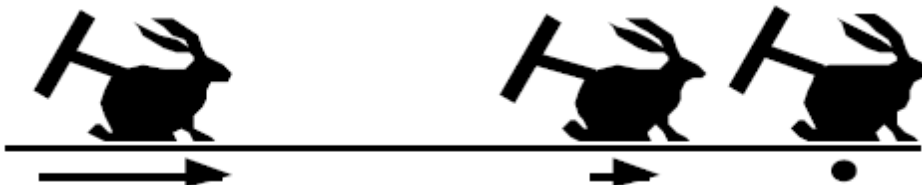
Draw a pie chart for each position

--	--	--

2. A wind-up toy is wound up, then "walks" across a table and comes to a stop.

List the objects in your system

--



Draw a pie chart for each position

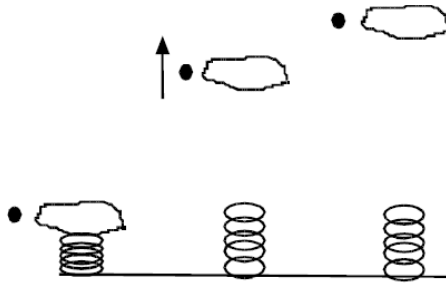
--	--	--

Name: _____ Period: _____ Date: _____

3. An object rests on a coiled spring, and is then launched upwards.

List the objects in your system

--



Draw a pie chart for each position

--	--	--

4. A piece of clay is dropped to the floor.

List the objects in your system

--



Draw a pie chart for each position

--	--	--

Name: _____ Period: _____ Date: _____

5. A truck is driven at constant speed down the street.

List the objects in your system

--



Draw a pie chart for each position

--	--	--

5. A rollercoaster car goes down and back up a hill.

List the objects in your system

--



Draw a pie chart for each position

--	--	--