Forms of Energy a	nd Energy Transformations	Practice	Name		
				Date	
	nd describe the different for ain examples of energy trans			<i>'</i>	
Er. rearr give/expic	in examples of energy trans	5) OI III (10113	<u> </u>		
Potential and Kine Identify each of the	etic Energy e following forms of energy	as either potenti	al energy (P) or k	kinetic energy (K).	
Sound	Nuclear	Elastic	Electri	Electric	
Chemical	Gravitational	Thermal	Electro	Electromagnetic	
a. Choose one	e of the above forms of pote	ential energy and	describe why it f	fits in this category.	
h Chaosa and	e of the above forms of kine	tic onorgy and do	scribo why it fits	in this catagory	
b. Choose one	e of the above forms of kine	tic ellergy allu de	escribe willy it lits	s in this category.	
Forms of Energy					
	form(s) to the description p nost clearly demonstrated.		ns may have mor	e than one answer. Pick the	
Torrings or energy i	nost clearly demonstrated.				
1.	A boulder resting at the top	of a hill		a. Translational motion	
2.	Release of energy from the	Sun		b. Electric	
3.	A coiled spring			c. Electromagnetic (radiant)	
4.	4. Batteries not in use			d. Chemical	
5.	5. The energy that runs a refrigerator			e. Nuclear	
6. Nuclear fission reactors				f. Sound	
7. The rumble of thunder from a storm				g. Elastic	
8. Rubbing your hands together				h. Gravitational	
9.	9. Gasoline stored in a tank			i. Rotational motion	
10	. Food before it is eaten			j. Thermal (heat)	
11	. A guitar string vibrating				
12	. A top spinning				
13	. Sledding down a hill				
14	. Candle burning				
15	. A taut rubber band (fully s	tretched)			

Transformation of Energy

Use the following forms of energy to fill in the table below: **rotational motion, translational motion, electric, thermal, electromagnetic, chemical, nuclear, and sound**. The first one has been done for you.

EXAMPLE		ORIGINAL ENERGY FORM	FINAL ENERGY FORM
1.	Electric motor	electrical	rotational motion
2.	A battery that runs a moving toy		
3.	A solar panel on the roof of a house		
4.	A person lifting a chair		
5.	A nuclear power plant		
6.	A toaster		
7.	A church bell ringing		
8.	Gasoline powering a car		
9.	Turning on a lamp		
10.	Photosynthesis		

Transformation of Energy II

Describe a scenario with the following energy transformations (do not include examples from the table above):

- a. Electric energy being converted into sound energy
- b. Chemical energy being converted to motion energy
- c. Thermal energy being converted to sound energy
- d. Gravitational potential energy being converted to motion energy
- e. Electric energy being converted into electromagnetic energy