Name		Date		Period
Energy an	ıd Heat Booklet	- Due Wed	, September 1	6, 2015
GA Standards:				
SPS7: Students will relate transform				
SPS7.a: Identify energy transforma				
SPS7.b: Investigate molecular motion.	on as it relates to ther	mai energy cha	nges in terms of co	induction, convection, and
SPS7.c: Determine the heat capacity	v of a substance using	mass specific	heat and temperat	71 8 4
or sale. Determine the near capacity	y of a substance using	, mass, specific	neat, and temperat	ure.
I. Kinetic and Potential Energy				8 points total
Define, give an example (or	draw a picture), give	e equation and u	units for kinetic end	ergy and potential energy.
II. Other Types of Energy				18 points tota
Define and give an example	e (or draw a picture) o	of		to bointe fors
a. Energy,	d. Mechanical E		g. Elastic Poter	atial Energy
b. Work,				
c. Electrical Energy,	f. Electromagnetic Energy i. Thermal Energy,			
III. Energy Transformations	1			5 points sketc
Sketch the images below an	id answer the following			18 points for ?
Questions 1. What point(s) Kinetic energy is	decreacina	Bouncing Ball		Pendulum
2. What point(s) Kinetic energy is				FRED.
3. What point(s) Kinetic energy is	the HIGHEST		(D)	////
4. What point(s) Kinetic energy is		\ /	\	
5. What point(s) Potential energy		☆ /		
		91	19.	
6. What point(s) Potential energy	is the HIGHEST			1 🛦 / \ \
6. What point(s) Potential energy7. What point(s) Potential energy		\mathcal{V}	\/	
6. What point(s) Potential energy7. What point(s) Potential energy	is the LOWEST		V	\$ \$ \$ \$
6. What point(s) Potential energy7. What point(s) Potential energy8. What point(s) Potential energy	is the LOWEST	(c)		6 6 6
 6. What point(s) Potential energy 7. What point(s) Potential energy 8. What point(s) Potential energy 9. What point(s) Both KE and PE 	is the LOWEST	6	<u> </u>	3 points each, 12 points tota
6. What point(s) Potential energy 7. What point(s) Potential energy 8. What point(s) Potential energy 9. What point(s) Both KE and PE V. Types of Energy Transfer 1. Define heat and temperature of the point of the	is the LOWEST present ature, describe how h		he 3 factors that de	3 points each, 12 points total energy
6. What point(s) Potential energy 7. What point(s) Potential energy 8. What point(s) Potential energy 9. What point(s) Both KE and PE V. Types of Energy Transfer 1. Define heat and tempers 2. Conduction: Define, lis	ature, describe how has 3 examples and dra	w 1 picture	he 3 factors that de	3 points each, 12 points total termine thermal energy
6. What point(s) Potential energy 7. What point(s) Potential energy 8. What point(s) Potential energy 9. What point(s) Both KE and PE V. Types of Energy Transfer 1. Define heat and temperature of the point of the	ature, describe how heat 3 examples and drawt 3 exa	w 1 picture w 1 picture	he 3 factors that de	3 points each, 12 points total stermine thermal energy

Booklet Total Possible Points: 100