hapter 13: Energy and Power	page 10	Name	Ke Y
vorksheet: Kinetic and Potential Energy	- '		Date
`rameworks Code)			
		i i	
omplete the concept map below by writing			
Energy can o	e classified as two gen	erai types:	
	•		
Kienietic Energy			enhal Energy
Energy of motion formula to calcula	ate	En	ergy that is stored
			two types
depends on KE: 2 m	11,2		
mass Velocity		Grevite	whimal Elastic
MASS	formula to	calculate Energy	y of Energy of
		height abov	e ground compression/stretch
	PEEmgh	depend	ds on
,			
		mass	height
t (t 1) 1 to a demonstration of	allauring guagtions		•
bserve the diagrams below and answer the f	onowing questions	(3)	
		@ <sub>@</sub>	
		P @ 1	
			•
		M	
		17 13	
		figure B	
figure A  1. What is happening to the kinetic energy	r as the ball falls in		ni
<ol> <li>What is happening to the kinetic energy</li> <li>What is happening to the potential energy</li> </ol>		1	¥
3. In figure B, when does the ball have the			hon 3
4. In figure B, as the ball rises from point		= 1	
5. In figure B, does the ball have more kir	netic energy at poin	t 2 or point 4? Pe	sint 4
6. How do these diagrams represent the la			
The total Ener			Just Changin
Between KE q	PE		J