



## LLECHWEDD PRE-VISIT LESSON ACTIVITY SHEET 3

**GROUP NAME:**

# ENERGY

### Activity 1

lght	
ht	
snd	
kntc	
grvttnl ptntl	
chmcl ptntl	
lctrcl	
lstc ptntl	

### Extension

Potential energy:

Kinetic energy:



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### Activity 2

Energy	Definition	Example of energy <i>increasing</i>	Example of energy <i>decreasing</i>
	This store increases as an object is lifted higher.		
	This is the energy stored in the bonds of chemical compounds. The energy is released when the bonds are broken.		
	This is the energy in moving objects. It is energy at work.		
	This store increases when an object is stretched or squashed.		

### Activity 3

#### Extension

Energy Types:

Energy Transfers:

Energy Stores:



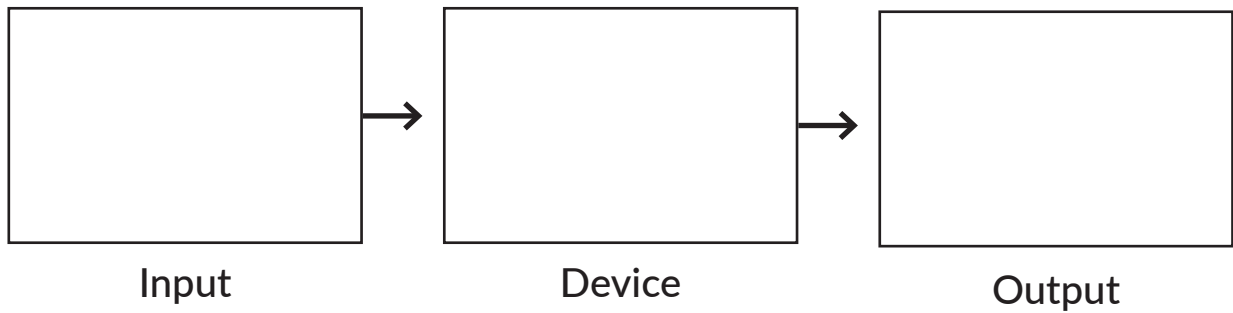
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### Activity 4

Extension: Elastic Potential Energy is

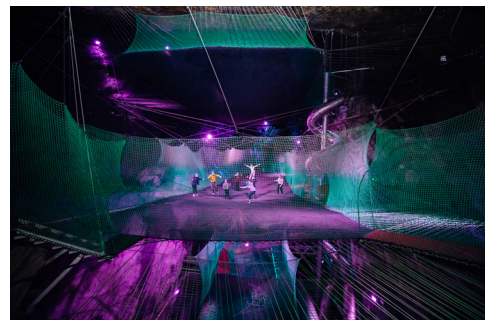
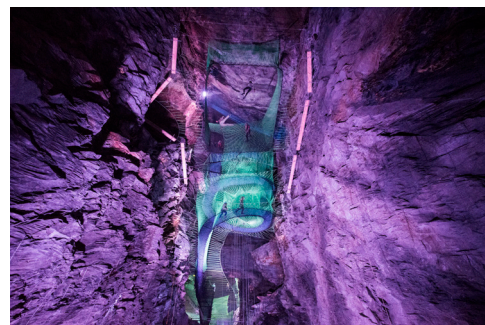
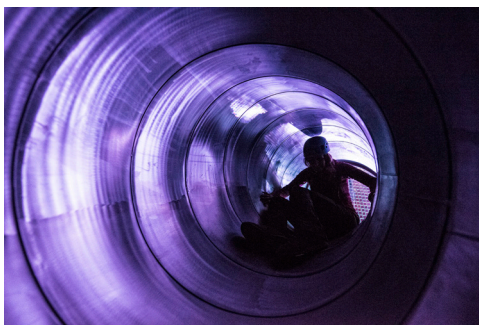
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Energy Transfer Diagram:



### Activity 5

Label the pictures below to show who has gravitational potential energy (GPE) and how they got it.





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### Activity 4

Extension: As the person falls, explain what happens to their gravitational potential energy store and what it transfers into:

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Explain what happens to the store when they hit the surface of the net:

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### Activity 6





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Extension:

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### Activity 7

Simple Machine	Example in classroom
Pulley	
Lever	
Wedge	
Wheel and Axle	
Screw	
Inverted incline	