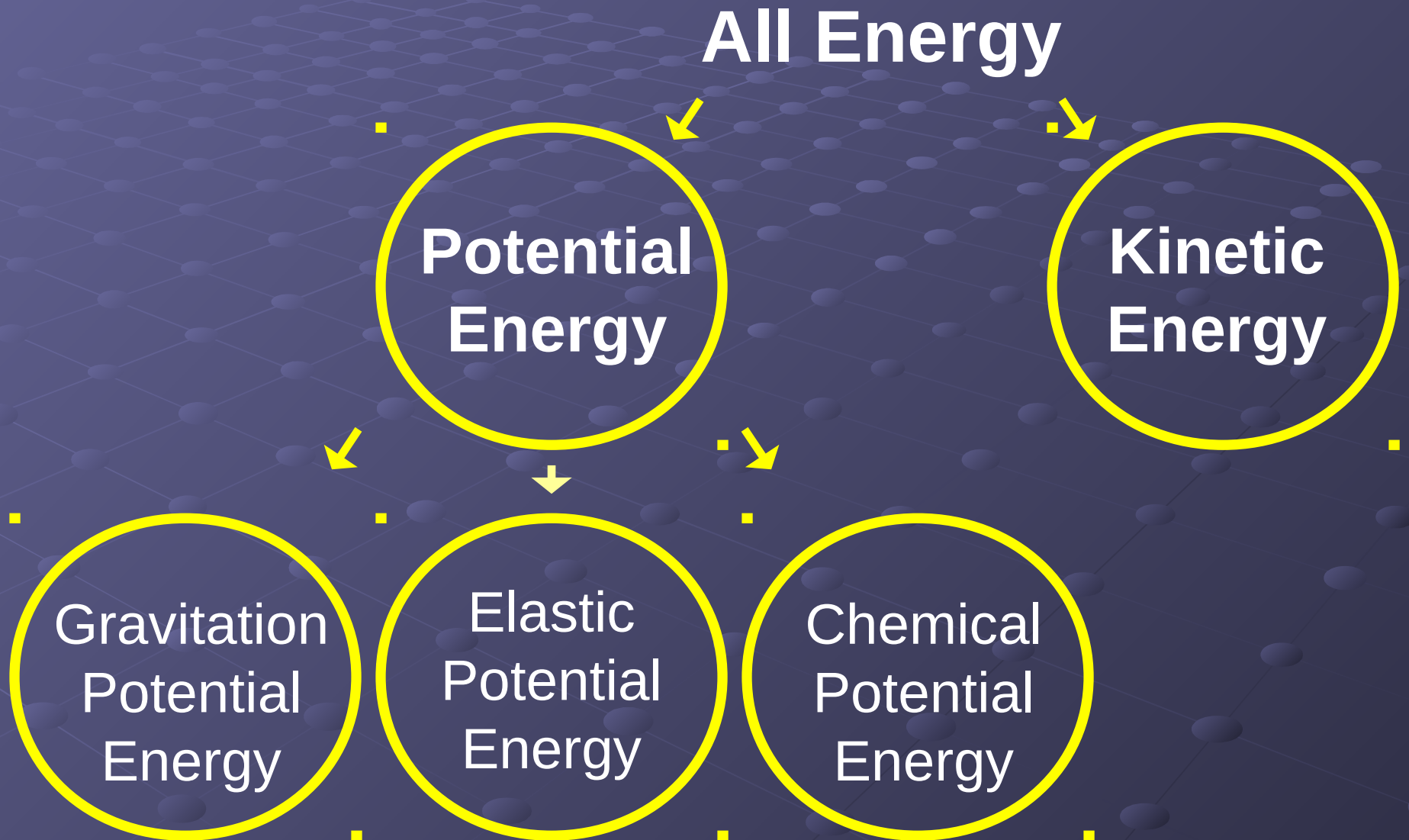


Potential and Kinetic Energy



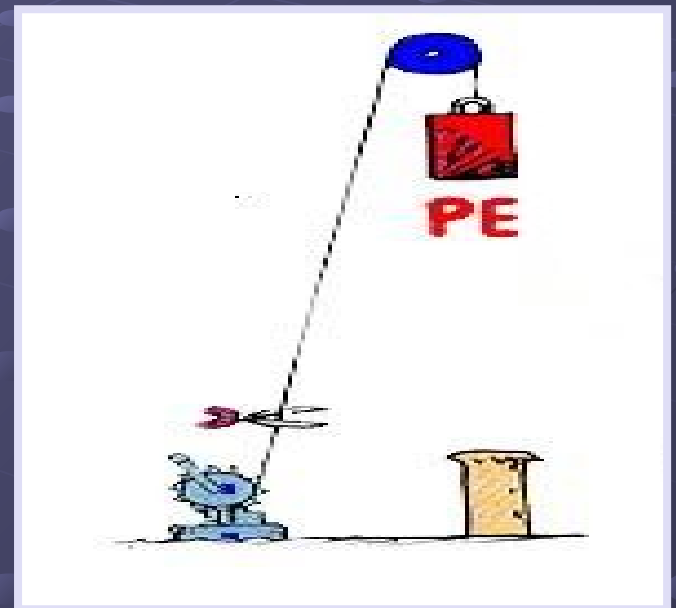
Realcoasters.com

How is all energy divided?



What is Potential Energy?

- o Energy that is stored and waiting to be used later



What is Gravitational Potential Energy?

- Potential energy due to an object's position
- $P.E. = \text{mass} \times \text{height} \times \text{gravity}$

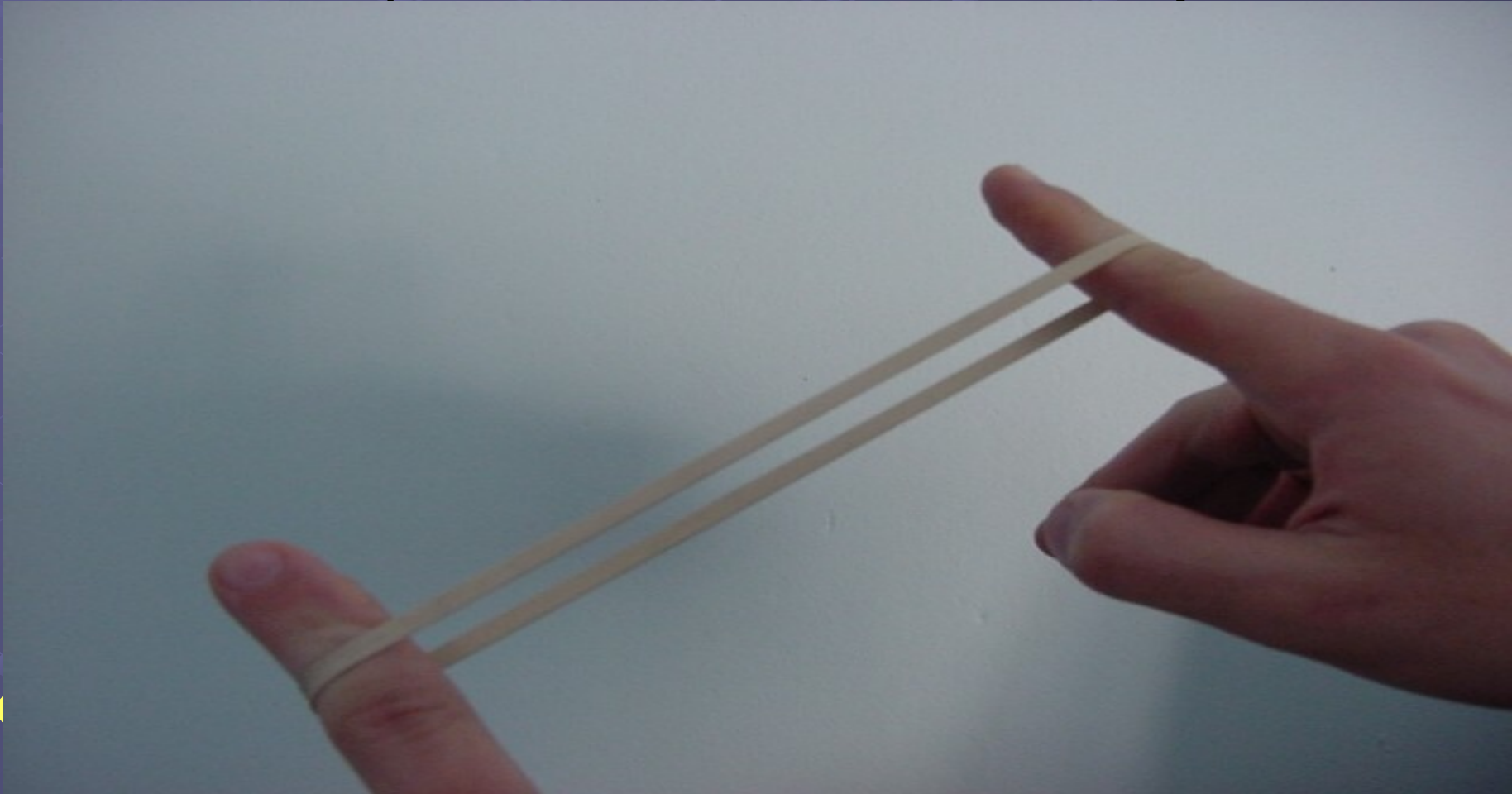


Don't look down,
Rover!
Good boy!



What is Elastic Potential Energy?

- Potential energy due compression or expansion of an elastic object.



What is Chemical Potential Energy?

- Potential energy stored within the chemical bonds of an object



What is Kinetic Energy?

- Energy an object has due to its motion
- $K.E. = .5(\text{mass} \times \text{speed}^2)$

