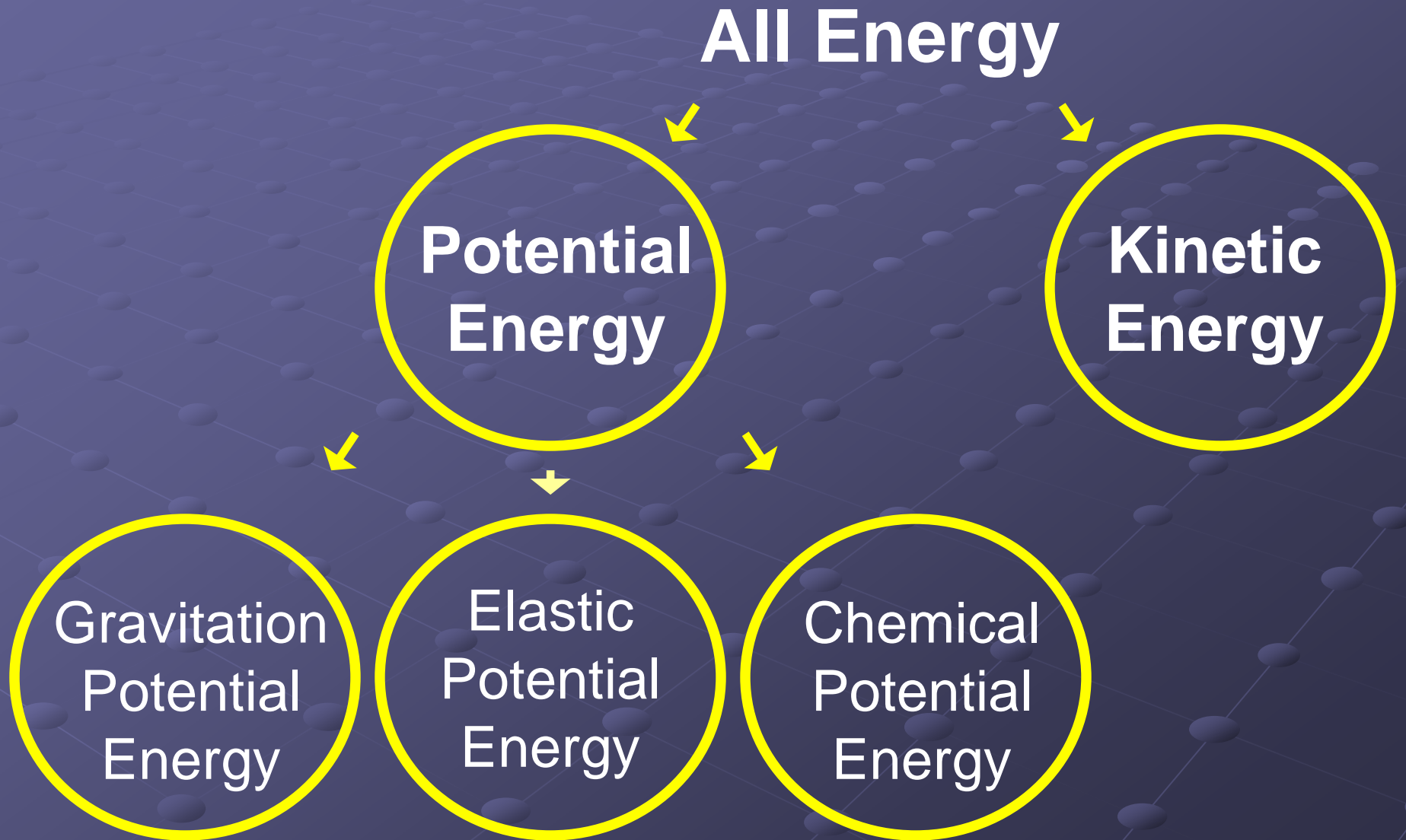


POTENTIAL AND KINETIC ENERGY



How is all energy divided?



What is Potential Energy?

- Energy that is stored and waiting to be used later



What is Gravitational Potential Energy?

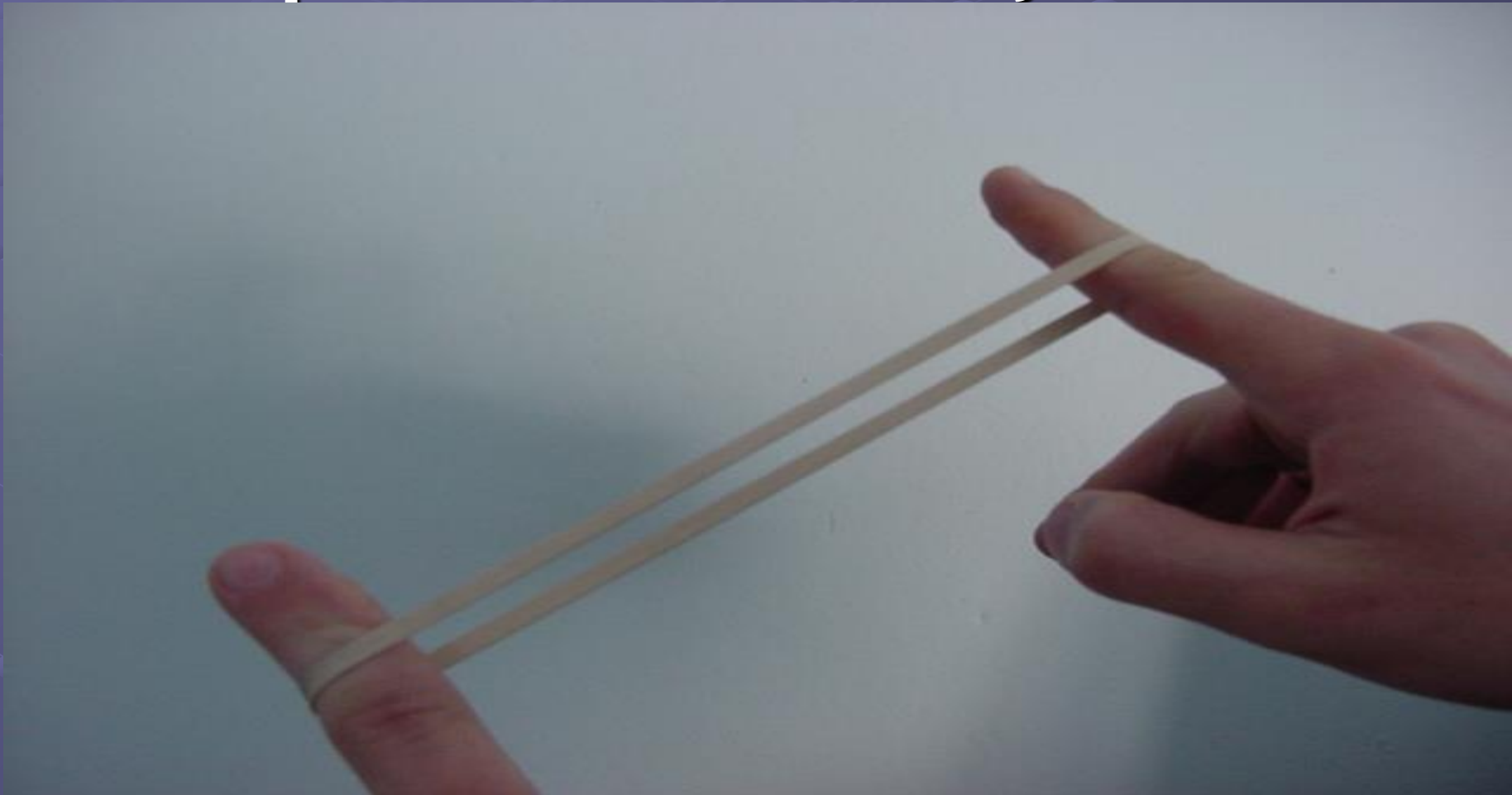


- Potential energy due to an object's position
- $P.E. = \text{mass} \times \text{height} \times \text{gravity}$



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
- $K.E. = .5(\text{mass} \times \text{speed}^2)$

