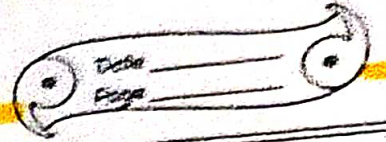


28/06/2021

Energy



hw

Q1. Define ~~state~~ the term energy.
→ Energy is the capacity to do work.

Q2. State the S.I unit of energy and define it.

→ Energy is measured in the same ~~time~~ unit as work. Therefore, the SI unit of energy is joule. A body is said to possess an energy of one joule if one joule work is done to bring the body in that state i.e. a force of 1 newton moves the body by a distance of 1 metre in the direction of force. Energy is Calorie (symbol cal) where $1 \text{ cal} = 4.2 \text{ J}$.
~~1~~ $1 \text{ kcal} = 1000 \text{ cal}$