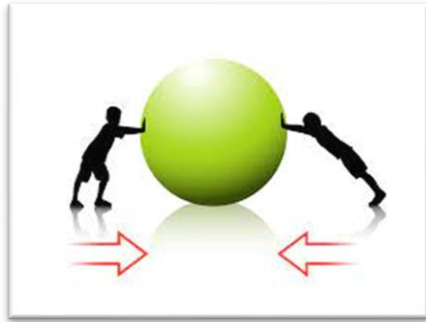


How have natural disasters led to change?

How can heavy loads be lifted easily? D&T
What is the effect of using more than one pulley on what you can lift?



'Lifty McShifty' Crane in Matlock



Force - strength or energy as an attribute of physical action or movement.



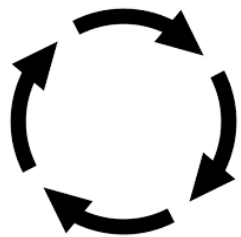
Rotation - the action of rotating about an axis or centre.



Mechanism - a system of parts working together in a machine; a piece of machinery.



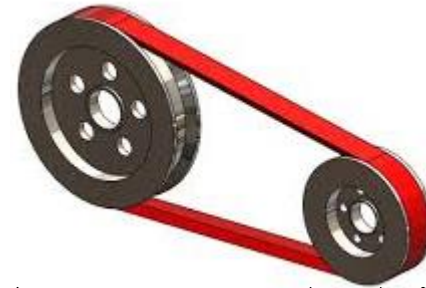
Pulley - a wheel or drum fixed on a shaft and turned by a belt, used for the application or transmission of power.



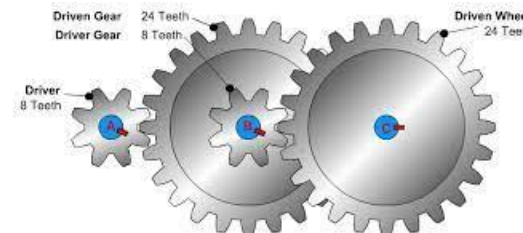
Rotate - move or cause to move in a circle round an axis or centre.



Hoist rope - are used to raise and lower the loads normally handling general cargo.



Belts - a continuous band of material used in machinery for transferring motion from one wheel to another.



Driver - a wheel or other part in a mechanism that receives power directly and transmits motion to other parts.



Shaft - a long, narrow part or section forming the handle of a tool or club, the body of a spear or arrow, or similar.



Counter weight - a weight that, by applying an opposite force, provides balance and stability of a mechanical system.



Groove - a long, narrow cut or depression in a hard material.



Crane - a large, tall machine used for moving heavy objects by suspending them from a projecting arm or beam.