

1

Energy and How the Sun is Powered

Energy comes in many forms
and can be converted



Chemical: Burning oil,
coal, wood



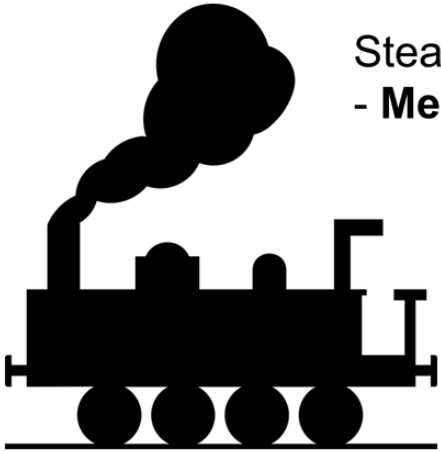
Creates **Heat**



Steam can drive engine
- **Mechanical Energy**



Engine pushes
train forward -
Energy of Motion



Energy is ALWAYS conserved

2

Early Ideas for Power of Sun?



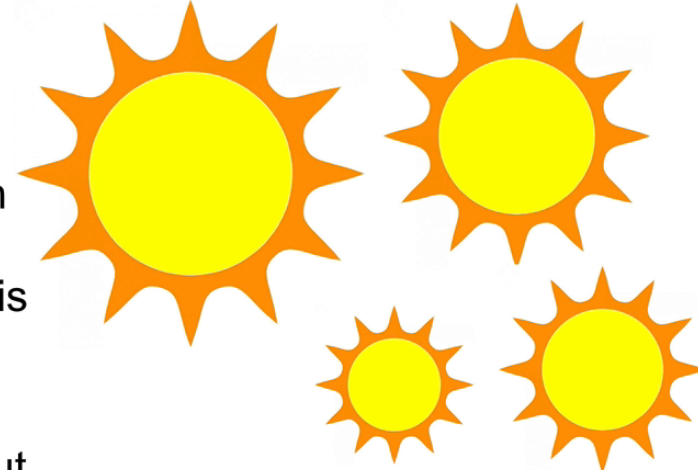
Sun made of coal/wood that is
burning? - Sun is too hot and
wouldn't be around long enough

Gravitational Energy - The Sun is
slowly shrinking?

Could last 100 Million Years - but
Earth is 4 Billion Years old!



Meteors falling onto Sun? - would
make Sun grow too quickly!



Need other source of Energy!