



Sept. 11

Potential Energy

stored energy - the ability to do work - based on

- position
- condition

Position

Height - more height  
more P.E.

Rock

but, we could have a well

$$PE = mgh$$

mass | gravity | height

So... more mass, more PE  
more height, more PE

### Condition and PE

- its Temperature  
blazing hot rock, yep!
- its chemistry  
Like explosives, or  
Food, Gasoline, wood
- elastic energy  
like a spring, rubber band

