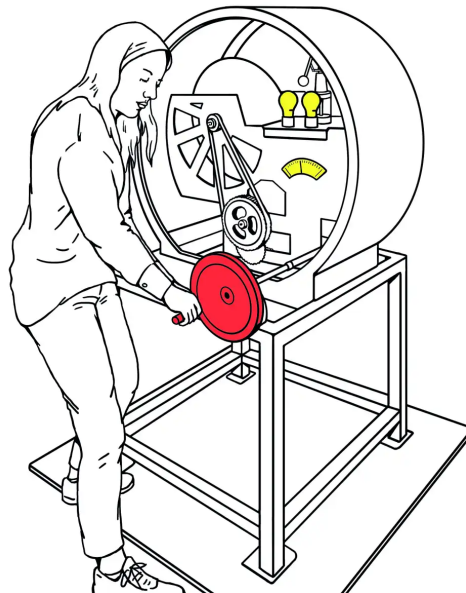


Kinetic Energy

Can you turn the handle fast enough to keep the meter in the green zone?



Turn the handle. Don't give up too easily – at the beginning you need to push hard!

Watch the lamps and let go of the handle.

When you turn the handle, the disc is spinning and when the meter reaches the green zone the lamp starts to glow. When you stop turning, the disc keeps spinning and the lamp keeps glowing as long as the disc spins fast enough.

When you turn the handle, you make electrical energy. When the meter is in the green zone, this energy is enough to run the lamps. If you turn the handle faster than that, the extra energy is stored as motion energy in the spinning disc. When you turn more slowly or let go, the energy in the disc is released. The lamps carry on glowing, even though you aren't turning the handle.