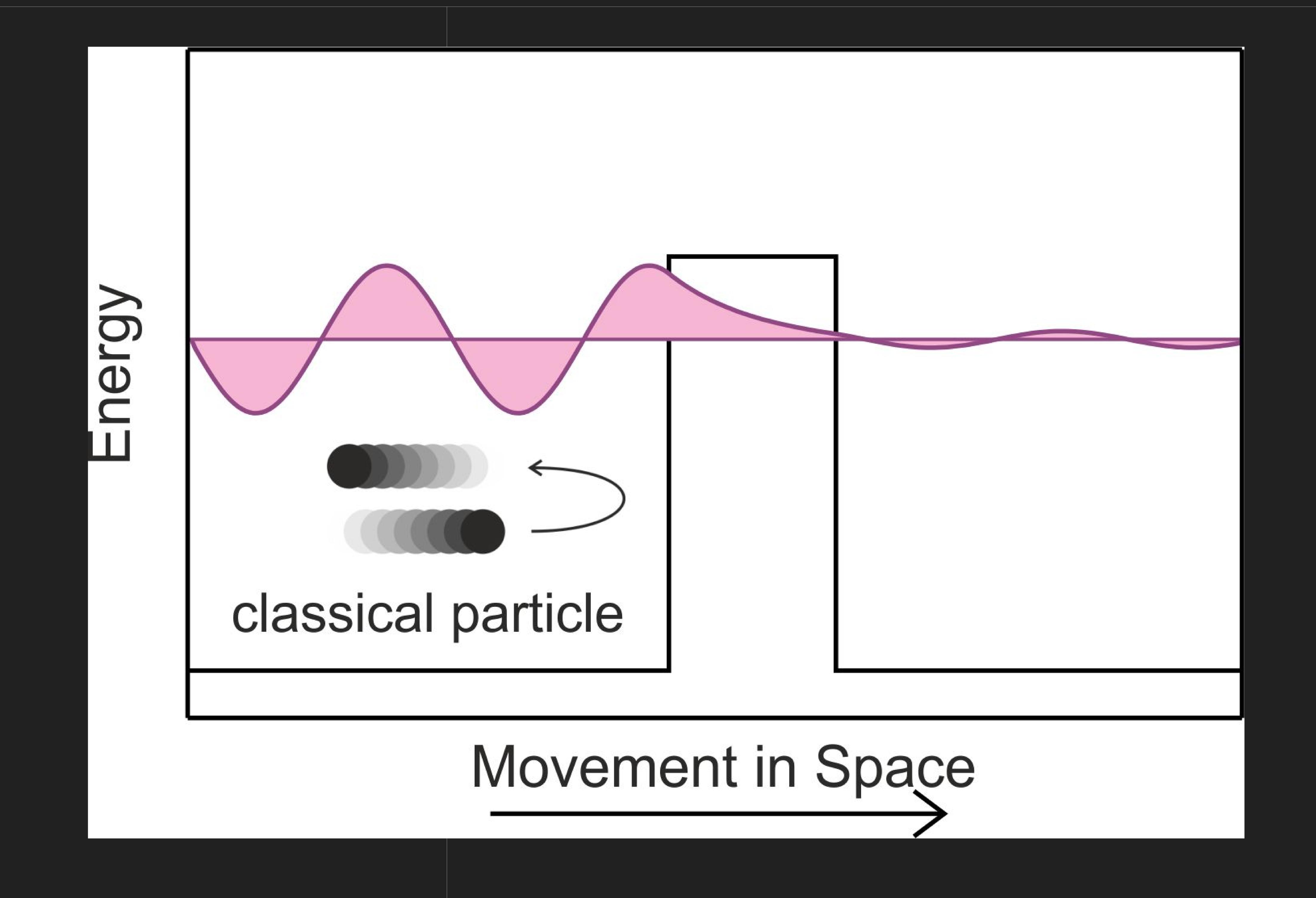
Quantum Mechanics;

At any given time, one particle can't precisely know where another particle is → no energy barriers exist.

Uncertainty is a fundamental part of nature! Nothing can be known precisely (Aristotle and Descartes go boom!!)



This is the basis for how transistors work and this did change the world!

What Quantum Physicists Said about the world:

Heisenberg:

What we observe is not nature itself, but nature exposed to our method of questioning.

Natural science, does not simply describe and explain nature; it is part of the interplay between nature and ourselves.

Planck:

Science cannot solve the ultimate mystery of nature. And that is because in the last analysis, we ourselves are part of the mystery that we are trying to solve.

Schrodinger:

I consider it extemely doubtful whether the happiness of the human race has been enhanced by the technical and industrial developments that followed in the wak of rapidly progressing natural science

De Broglie:

Thus with every advance in our scientific knowledge new elements come up, often forcing us to recast our entire picture of physical reality.

No doubt, theorists would much prefer to perfect and amend their theories rather than be obliged to scrap them continually,

But this obligation is the condition and price of all scientific progress.

Max Born Tweets to Trump:

The belief that there is only one truth, and that oneself is in posession of it, is the root of all evil.