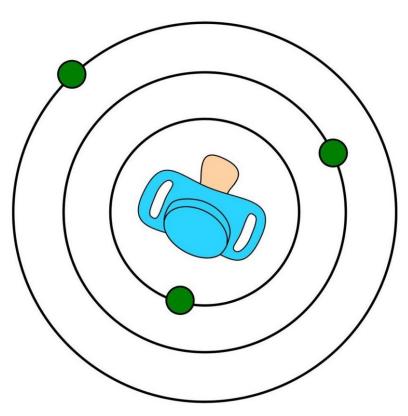
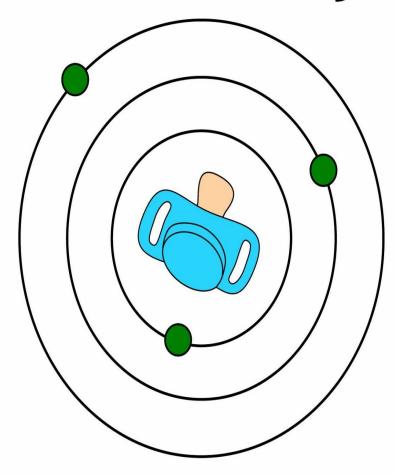
Quantum Physics for Babies

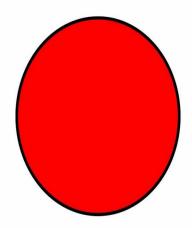


by Chris Ferrie

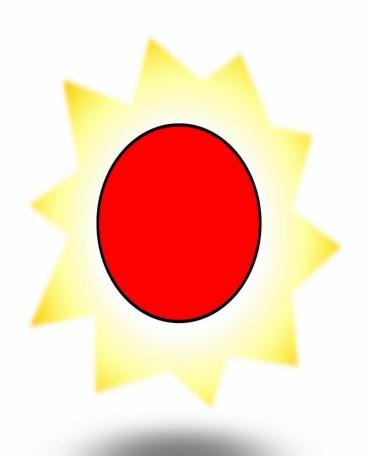
Quantum Physics



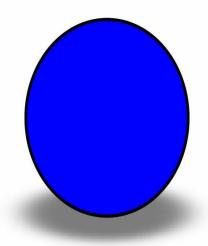
for Babies



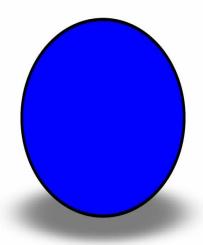
This is a ball.



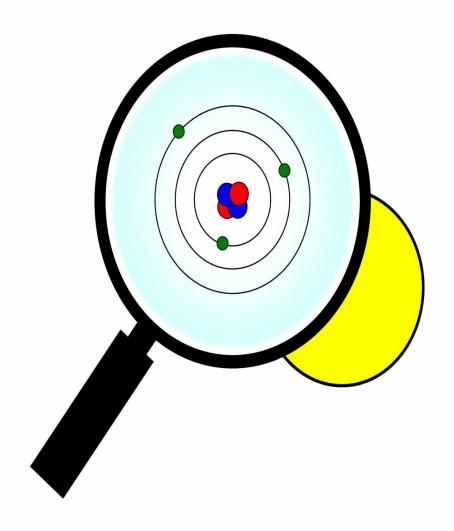
This ball has energy.



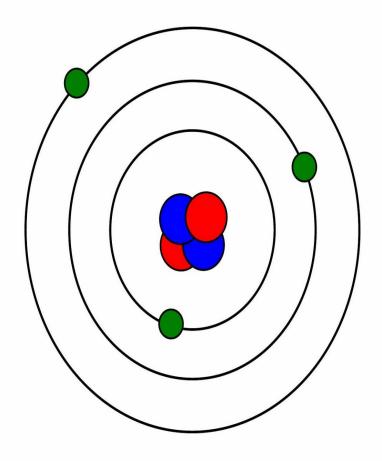
This is a ball.



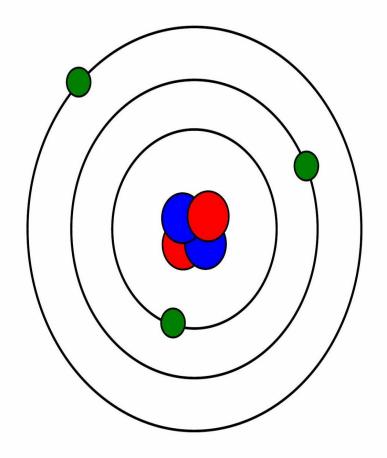
This ball has zero energy.



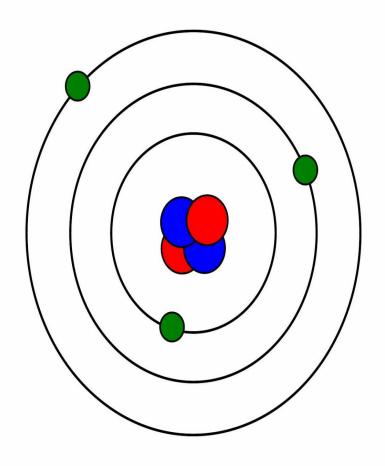
All balls are made of atoms.



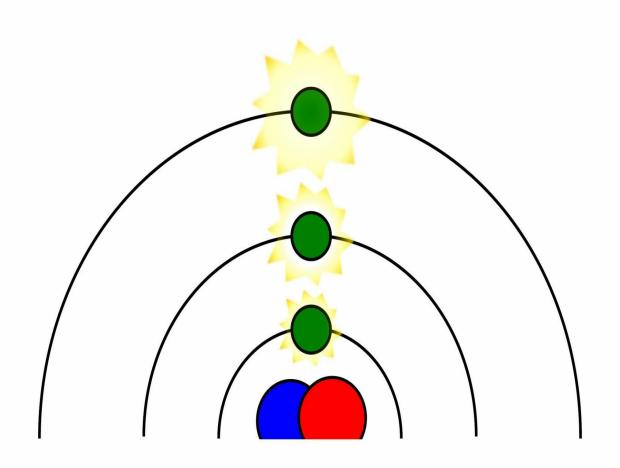
There are neutrons.



And protons.

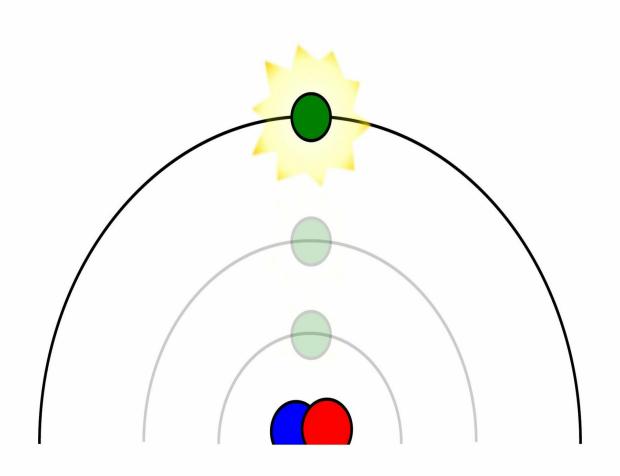


And electrons.

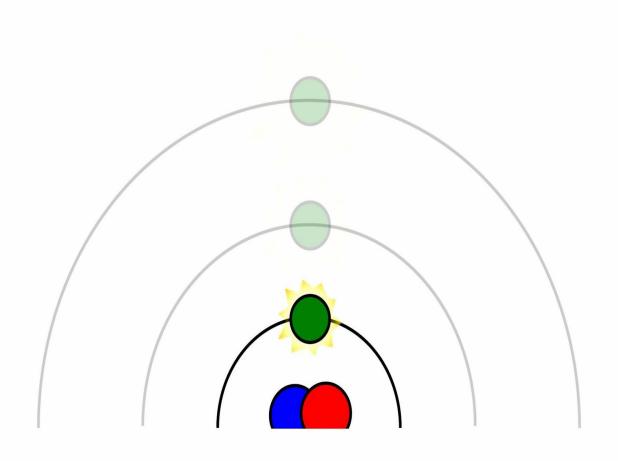


Electrons have

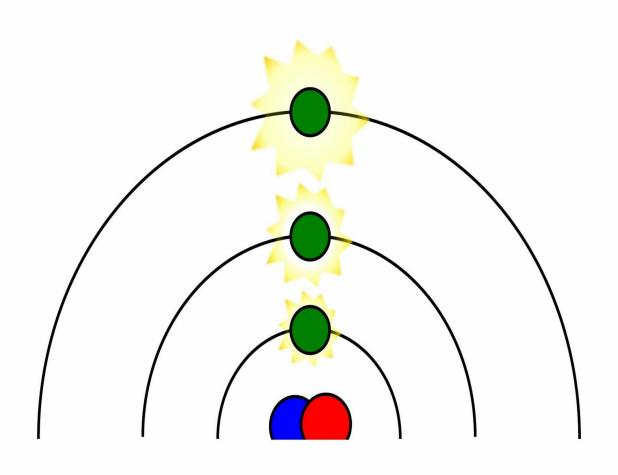
energy.



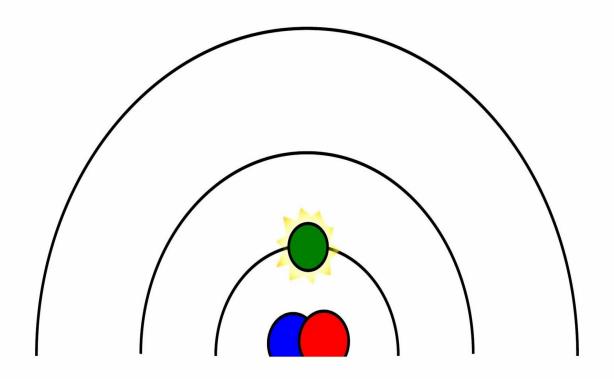
This electron has the most energy.



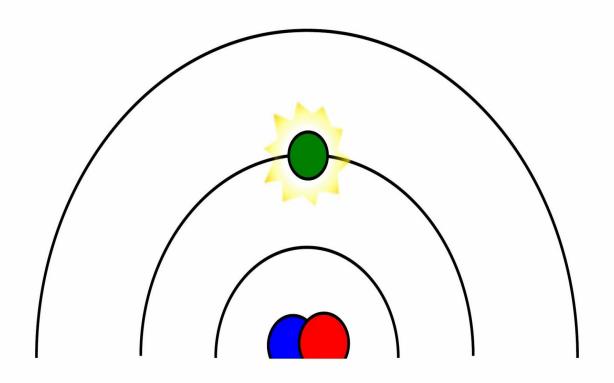
This electron has the least energy.



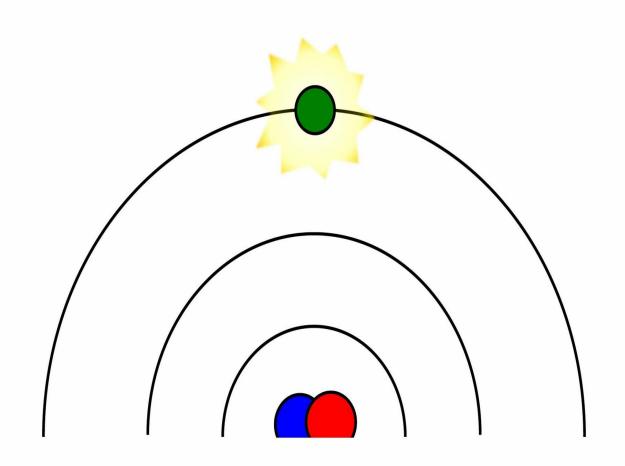
Energy is quantized.



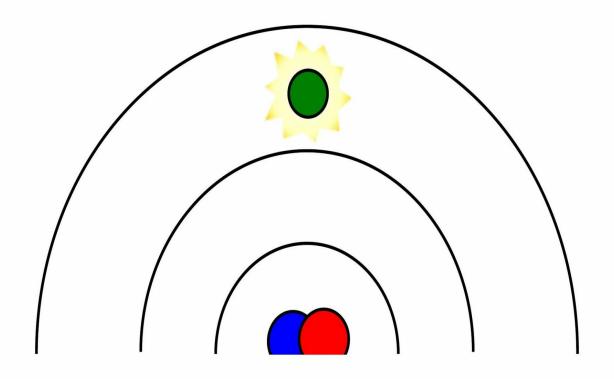
An electron can be here.



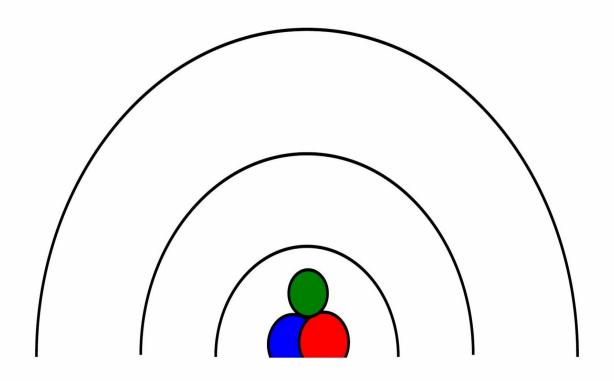
Or here.



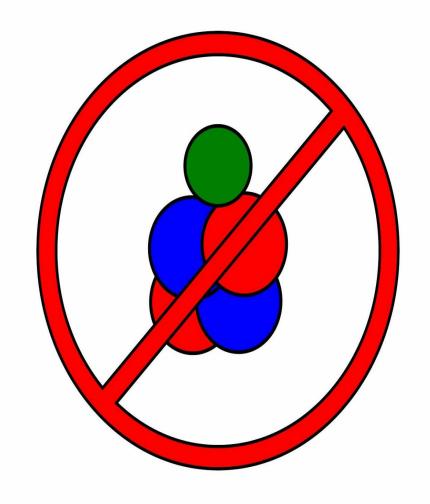
Or here.



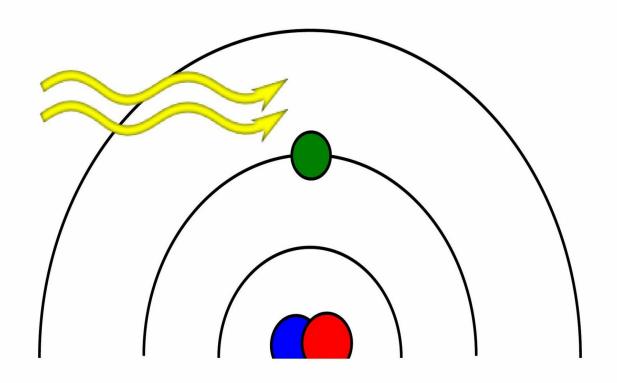
But not here.



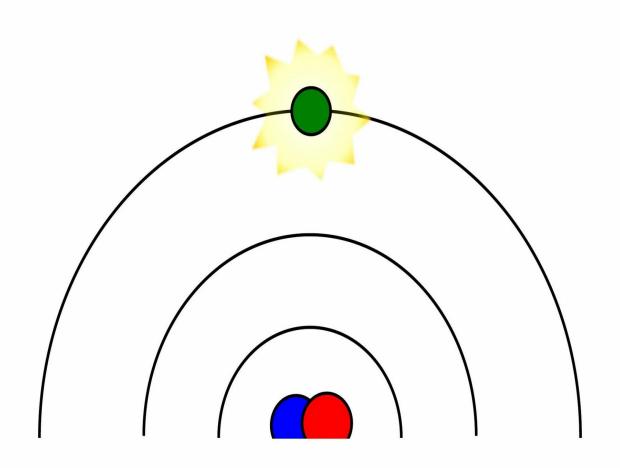
Or here.



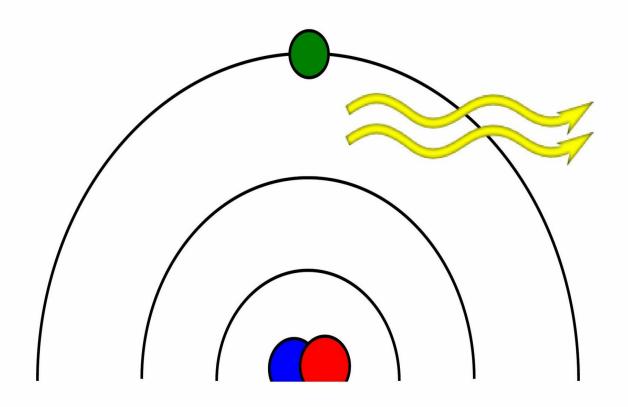
There are no electrons with zero energy.



An electron can take energy.

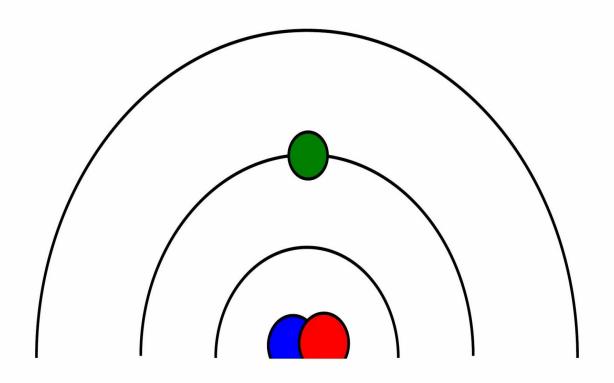


To jump up.

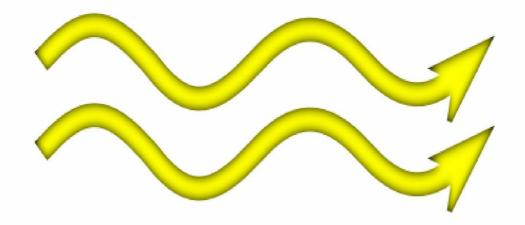


And must give

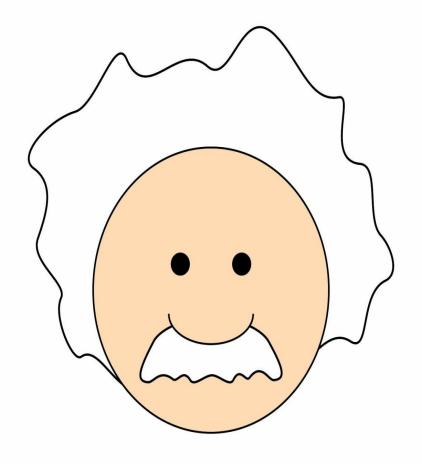
energy.



To fall down.



This amount of energy is a quanta.



Now you are a quantum physicist.