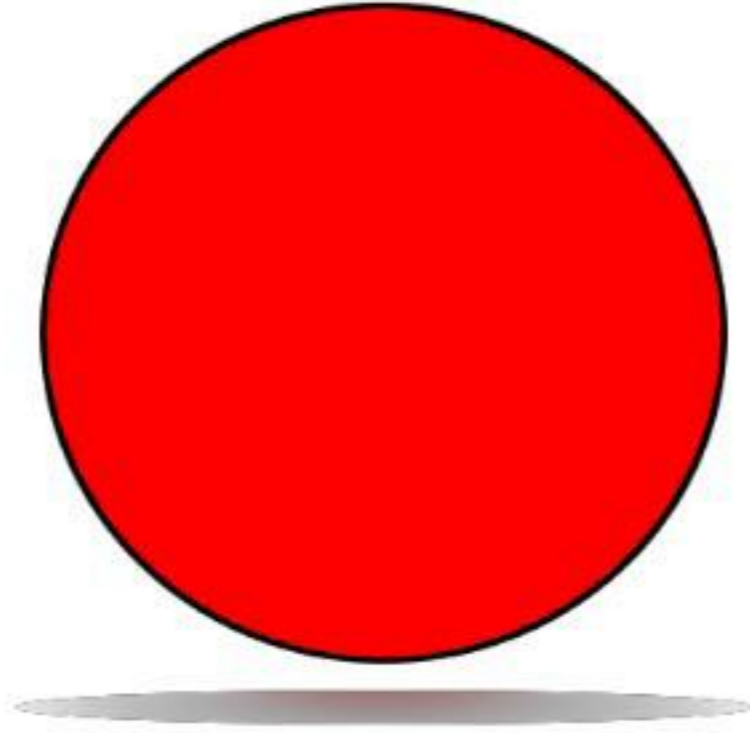
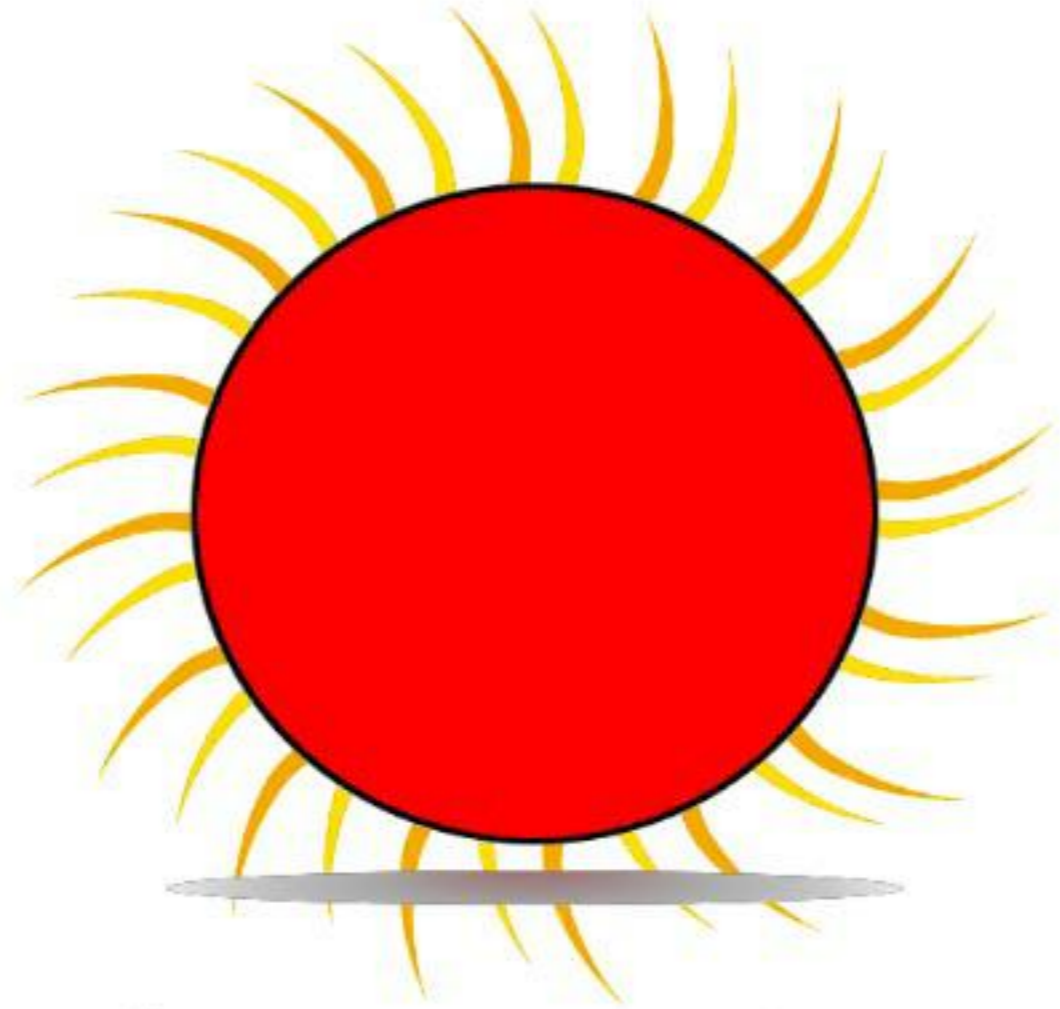


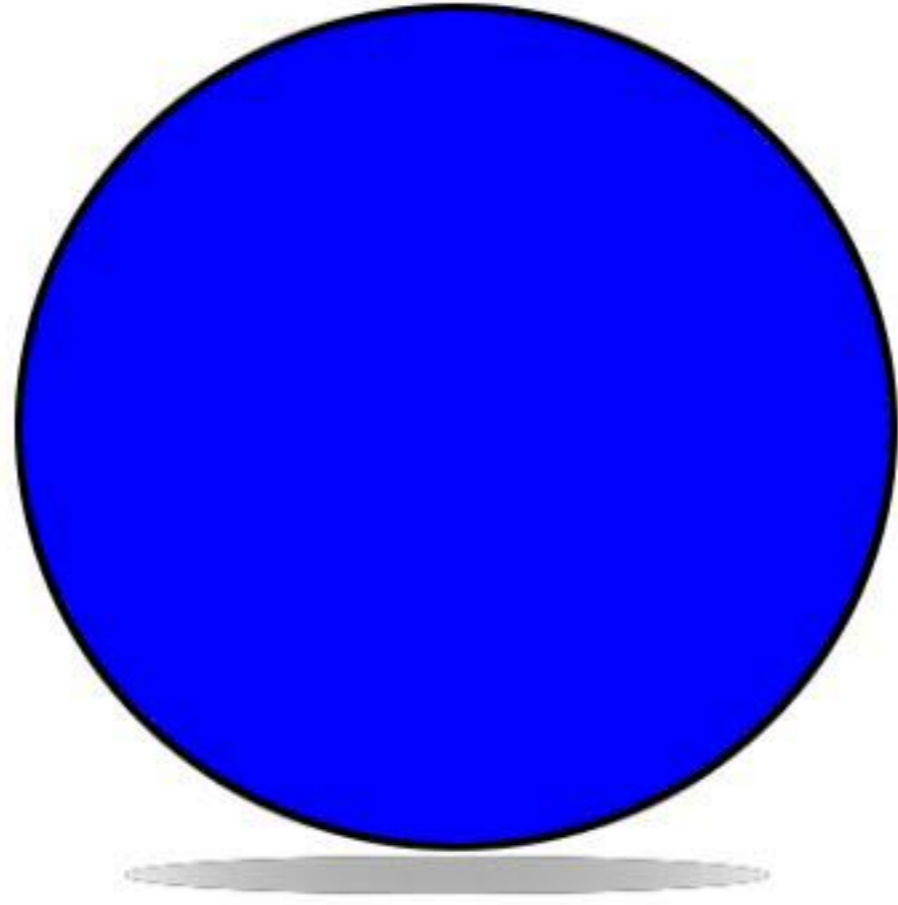
فيزياء
الكه
للأطفال



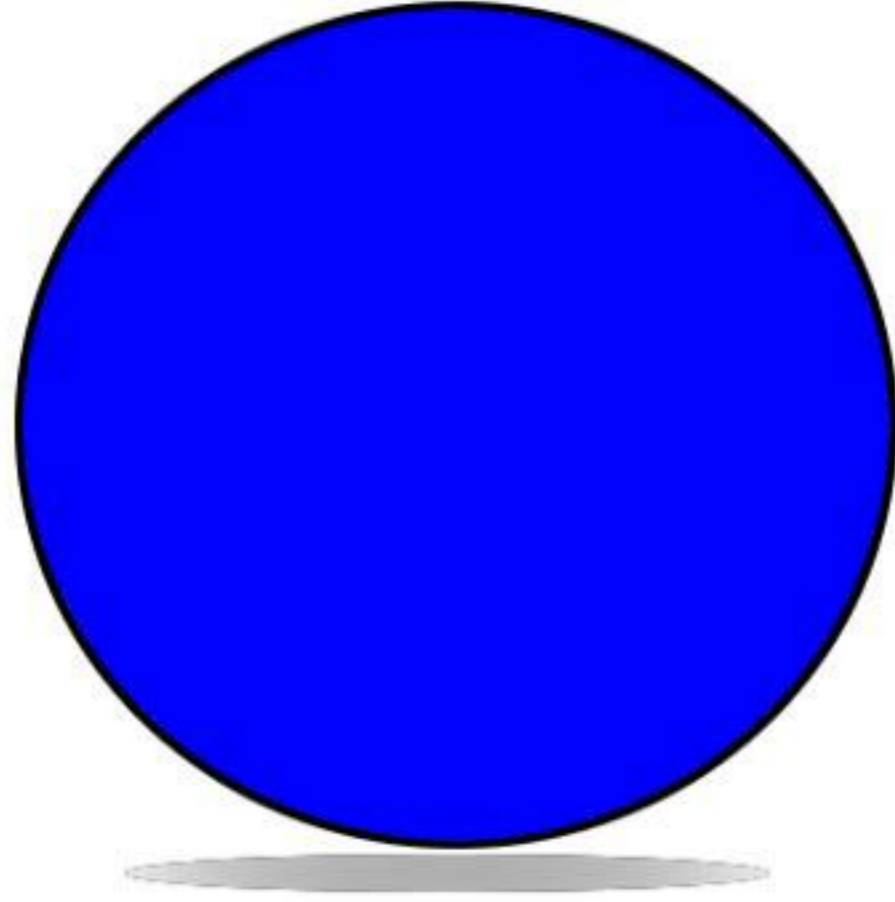
هذه كرة



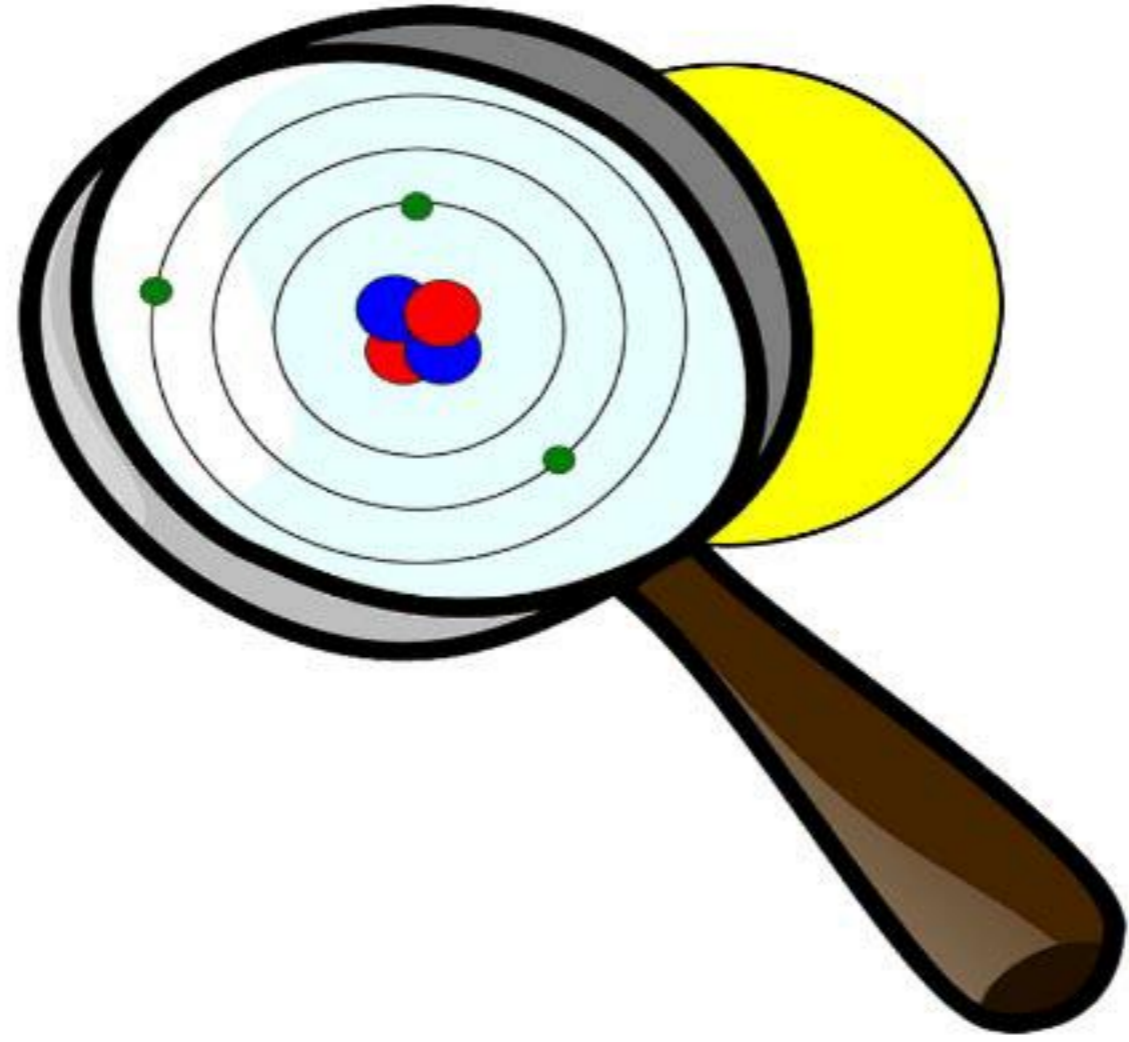
هذه كرة لها طاقة



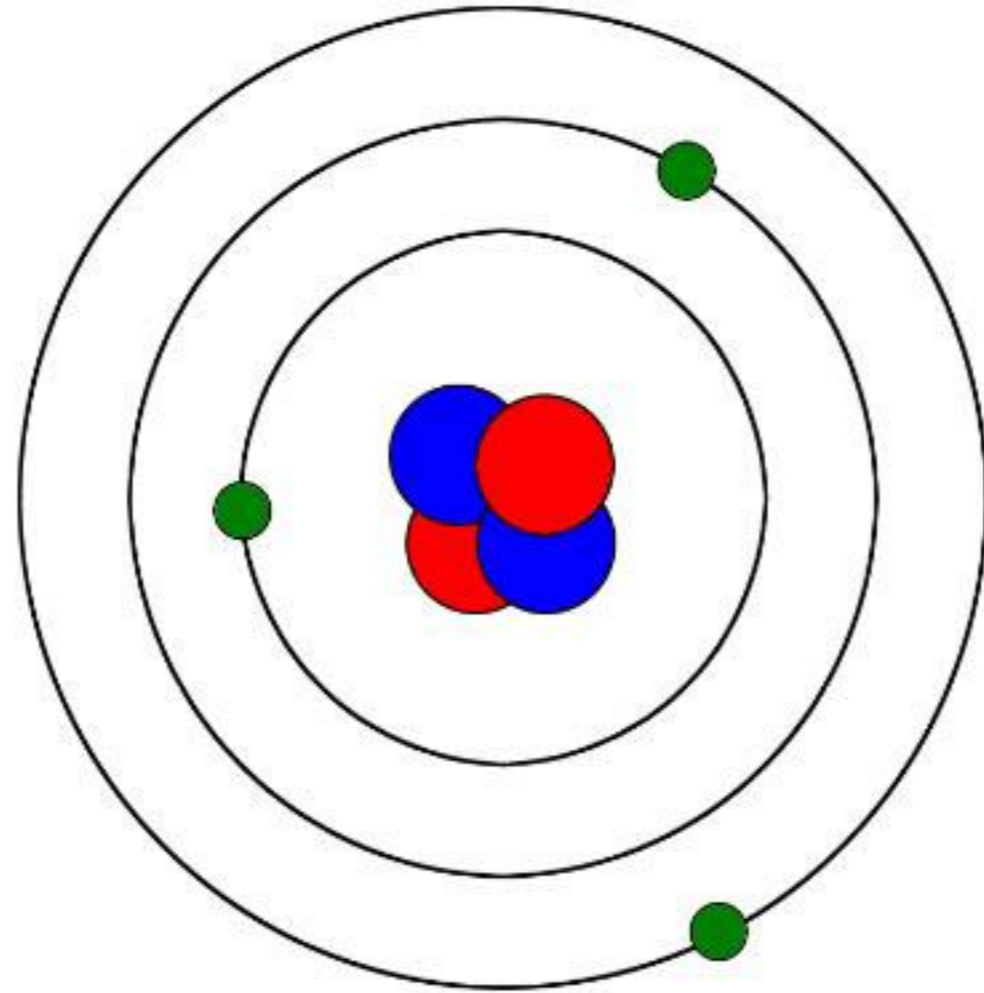
هذه كرة أخرى



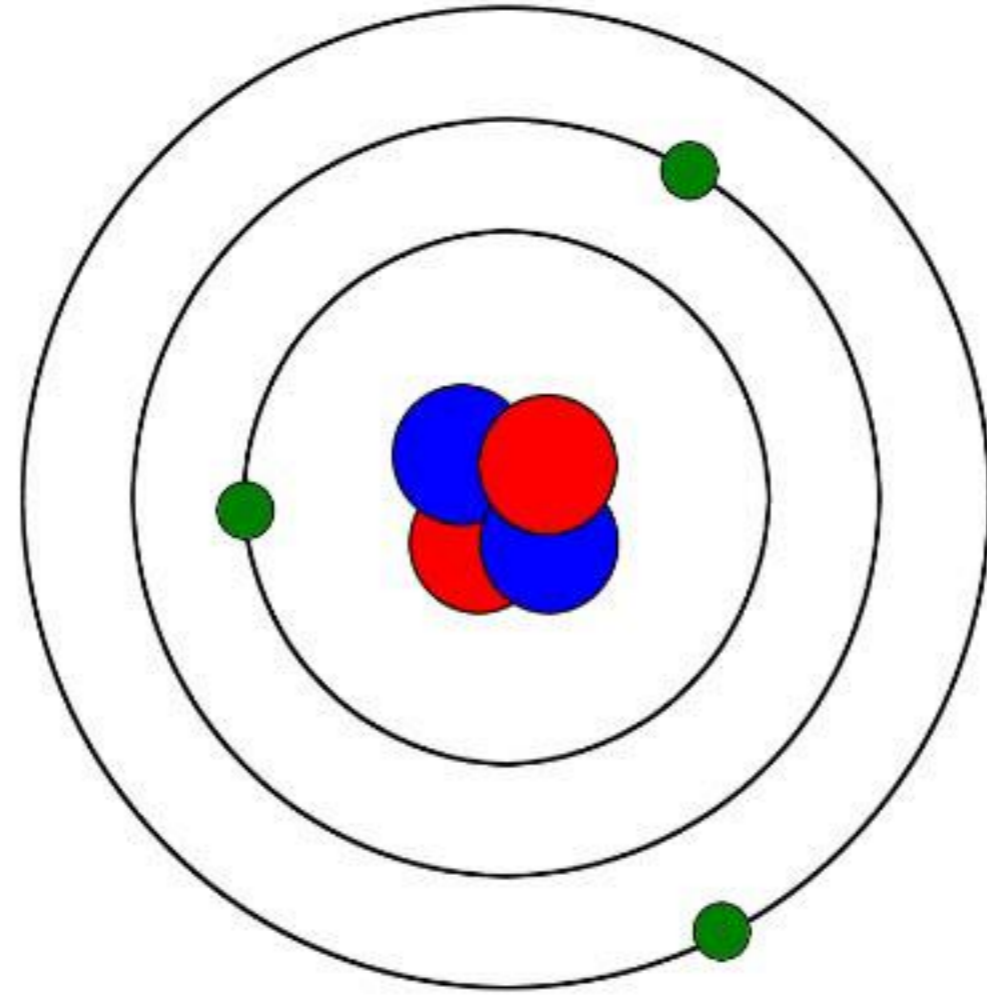
هذه كرة لا تحمل طاقة



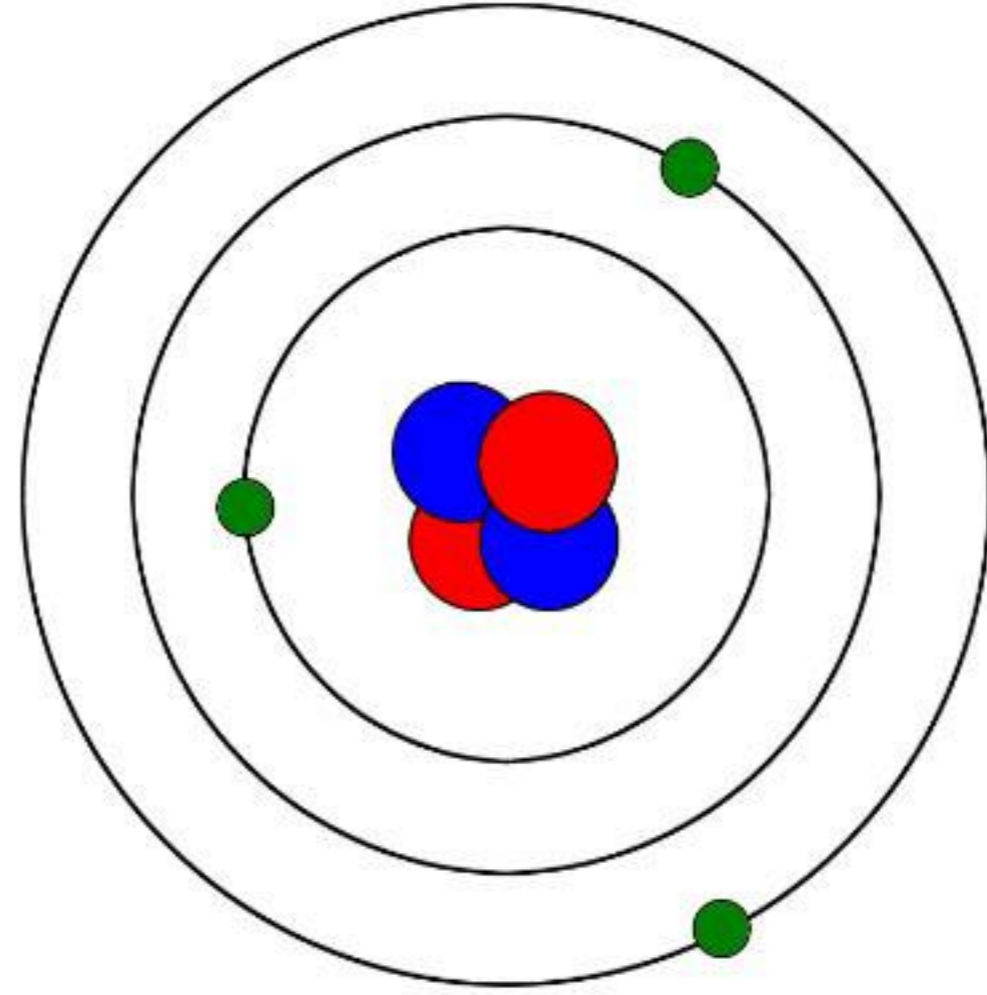
الكلمات عبارة عن ذرات



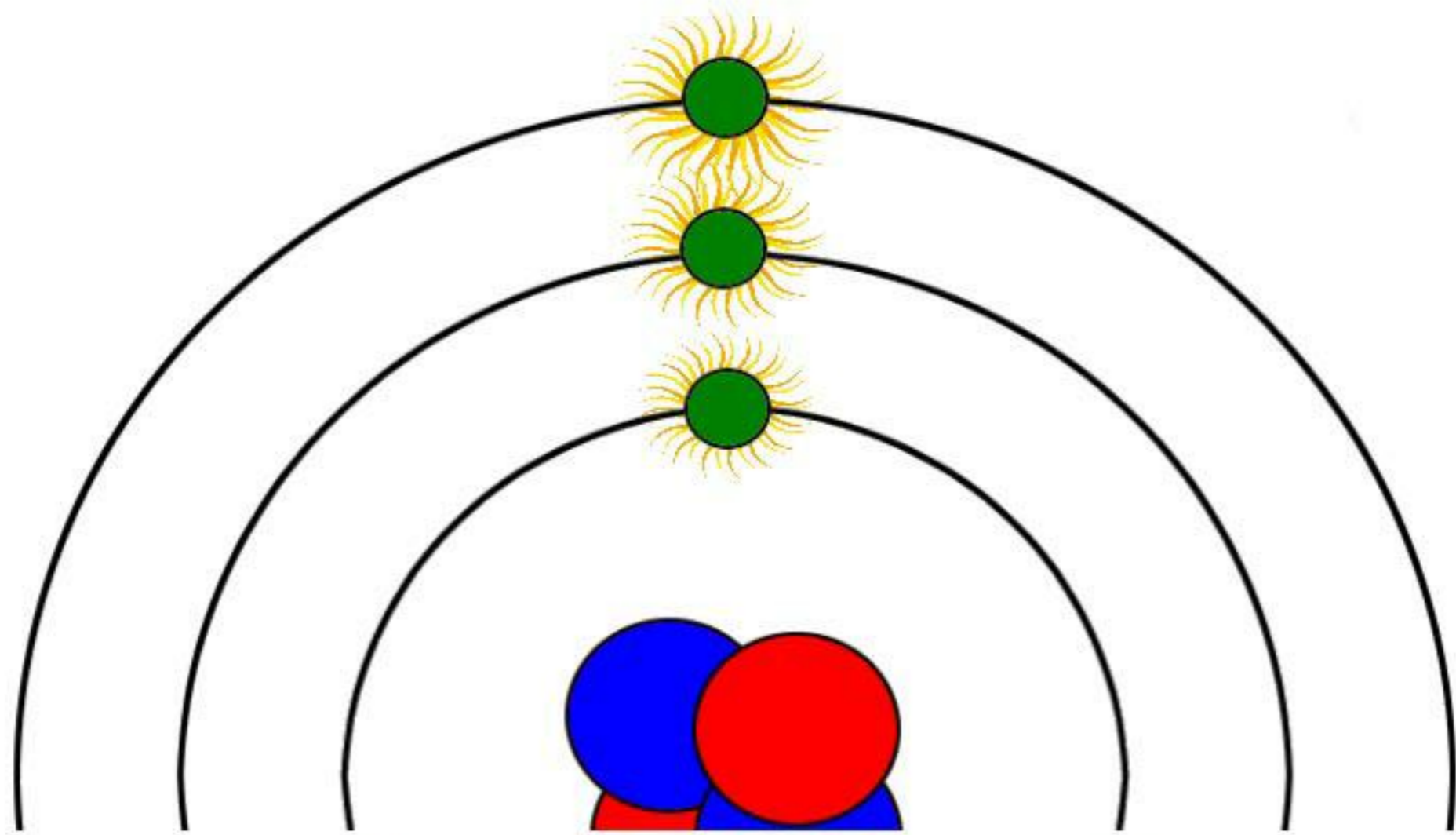
هناك نيوترونات



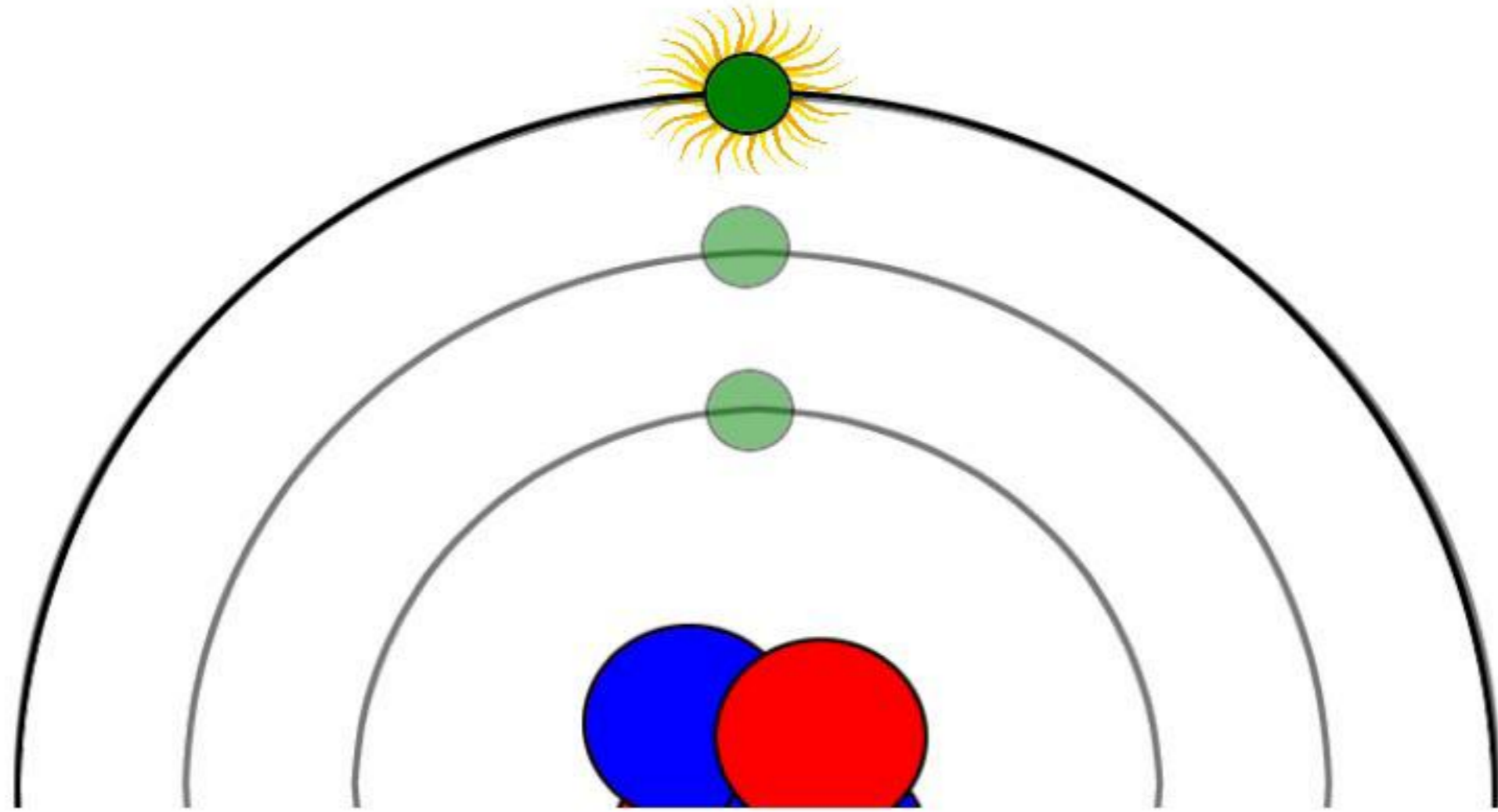
وېر وتونات



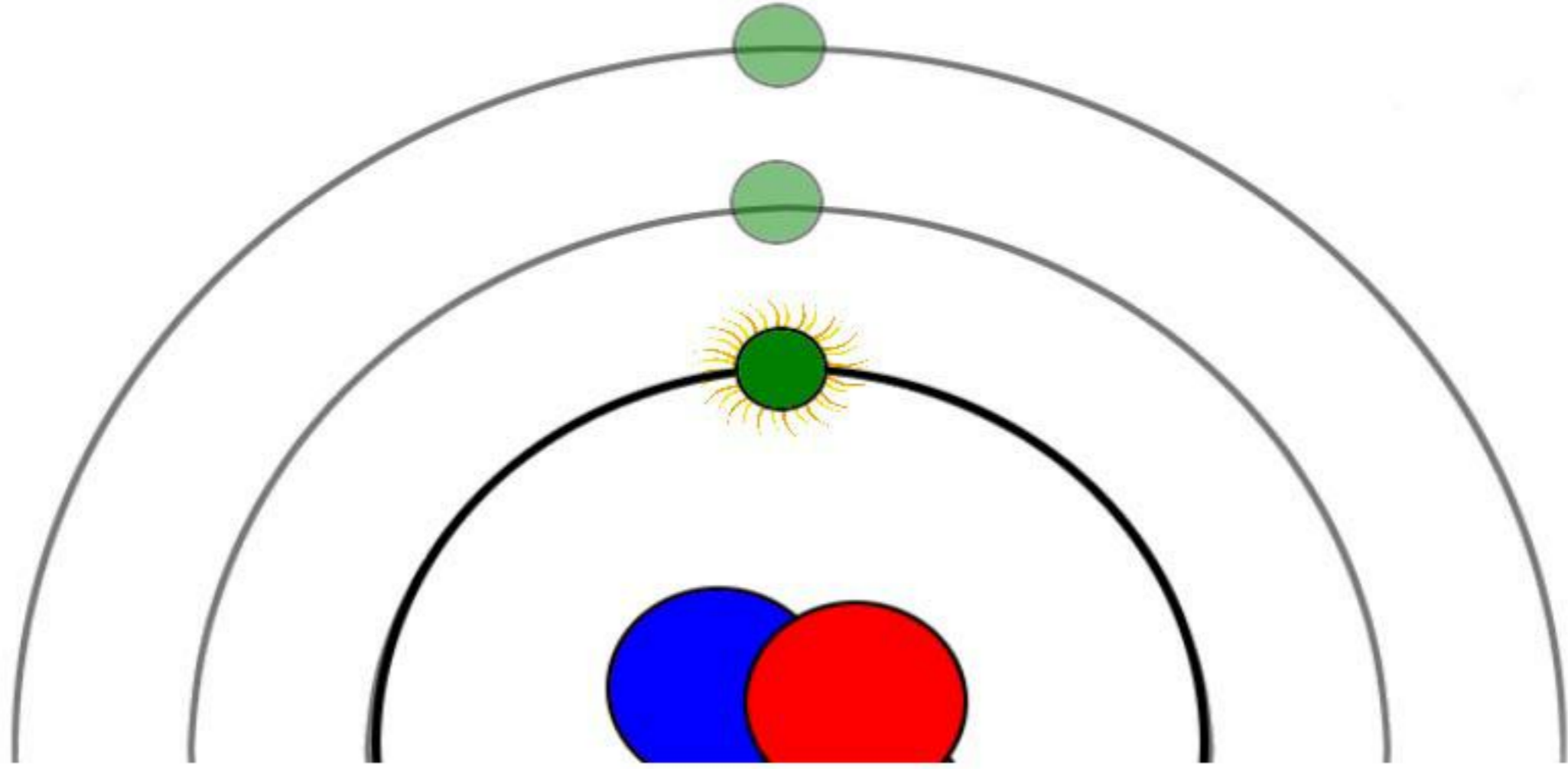
والكترونات



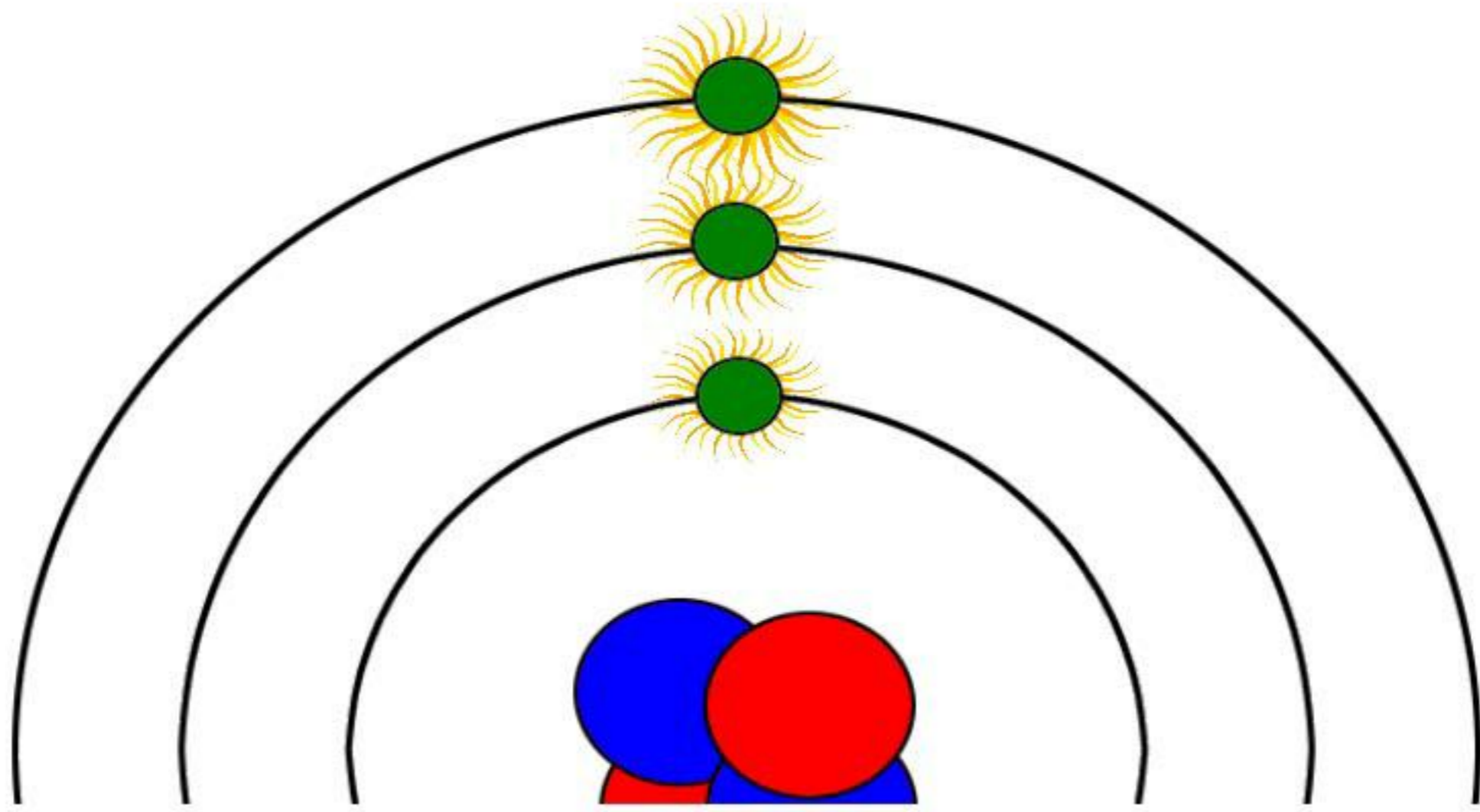
الإلكترونات لها طاقة



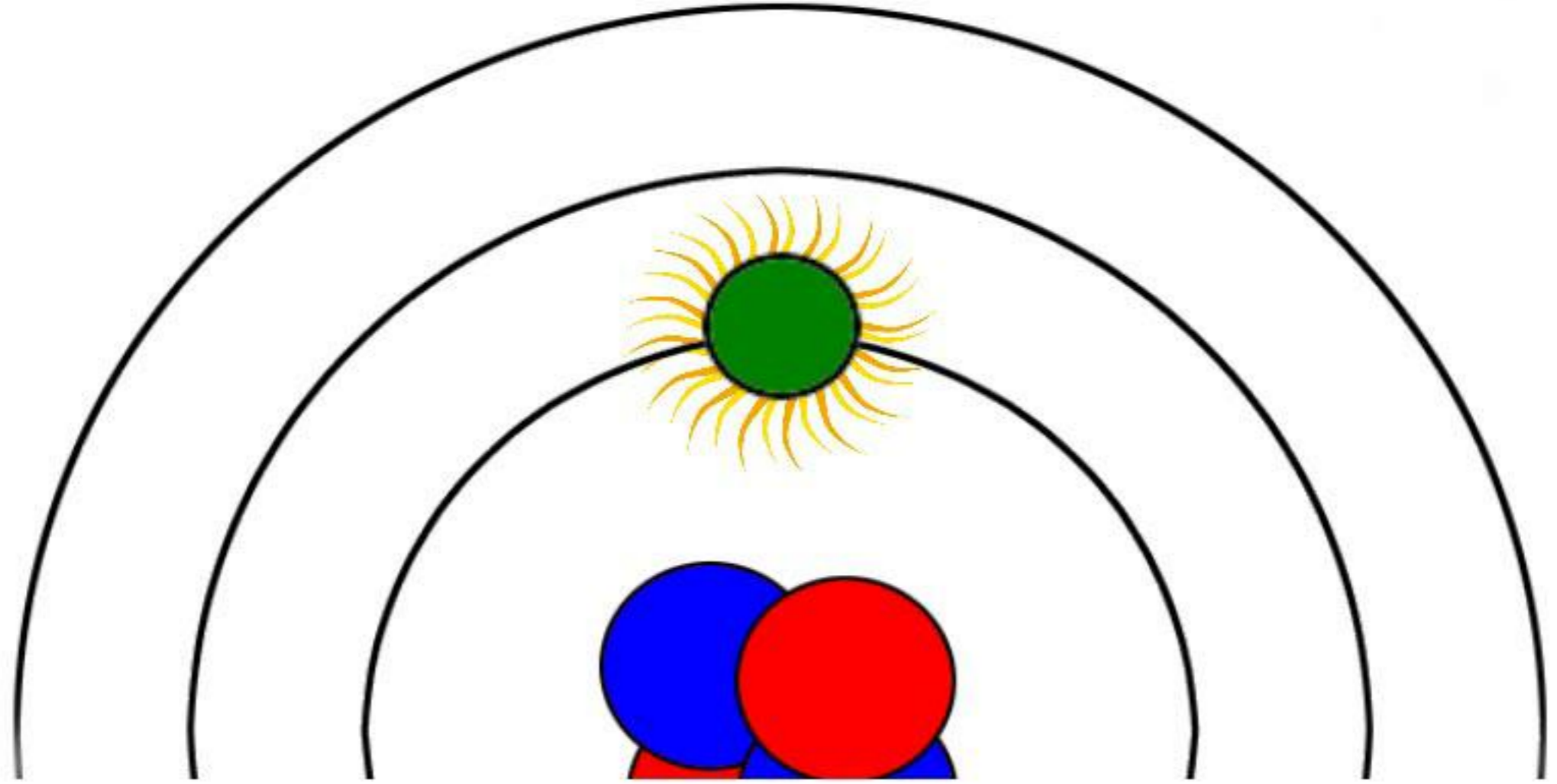
هذا الإلكترون يجعل أغلب الطاقة



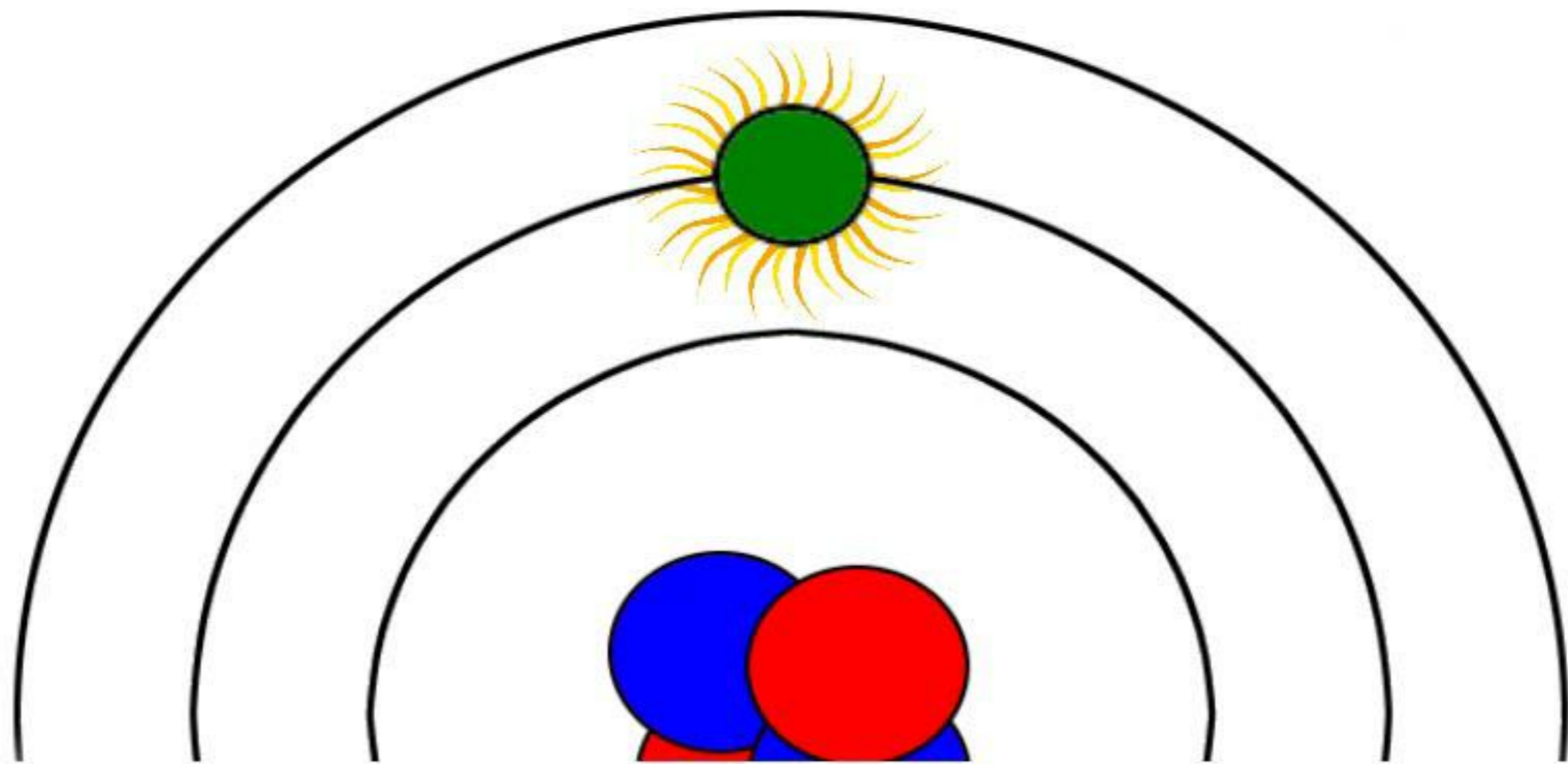
هذا الإلكترون يحمل أقل طاقة



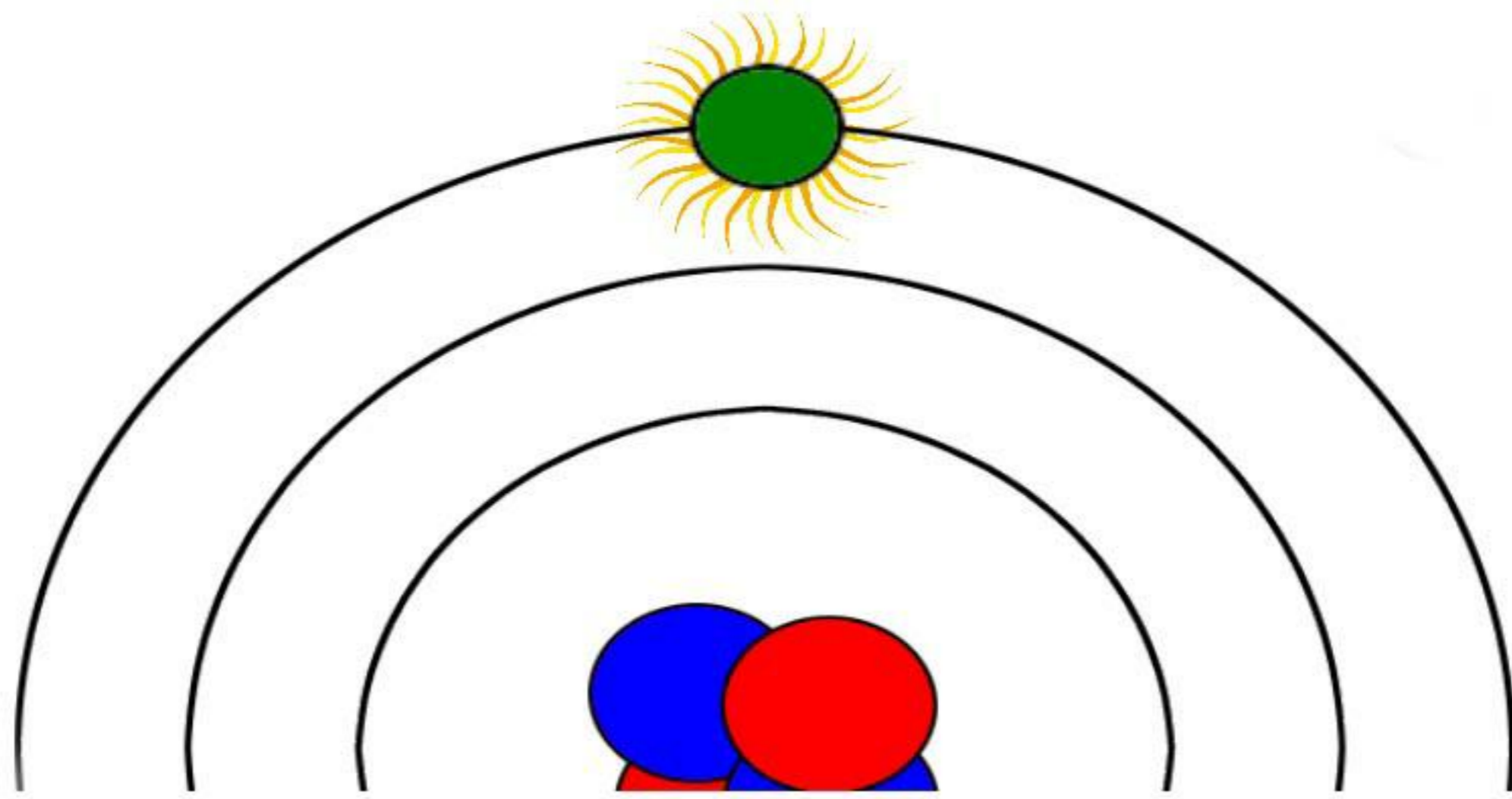
الطاقة كفيية (محددة بالكم)



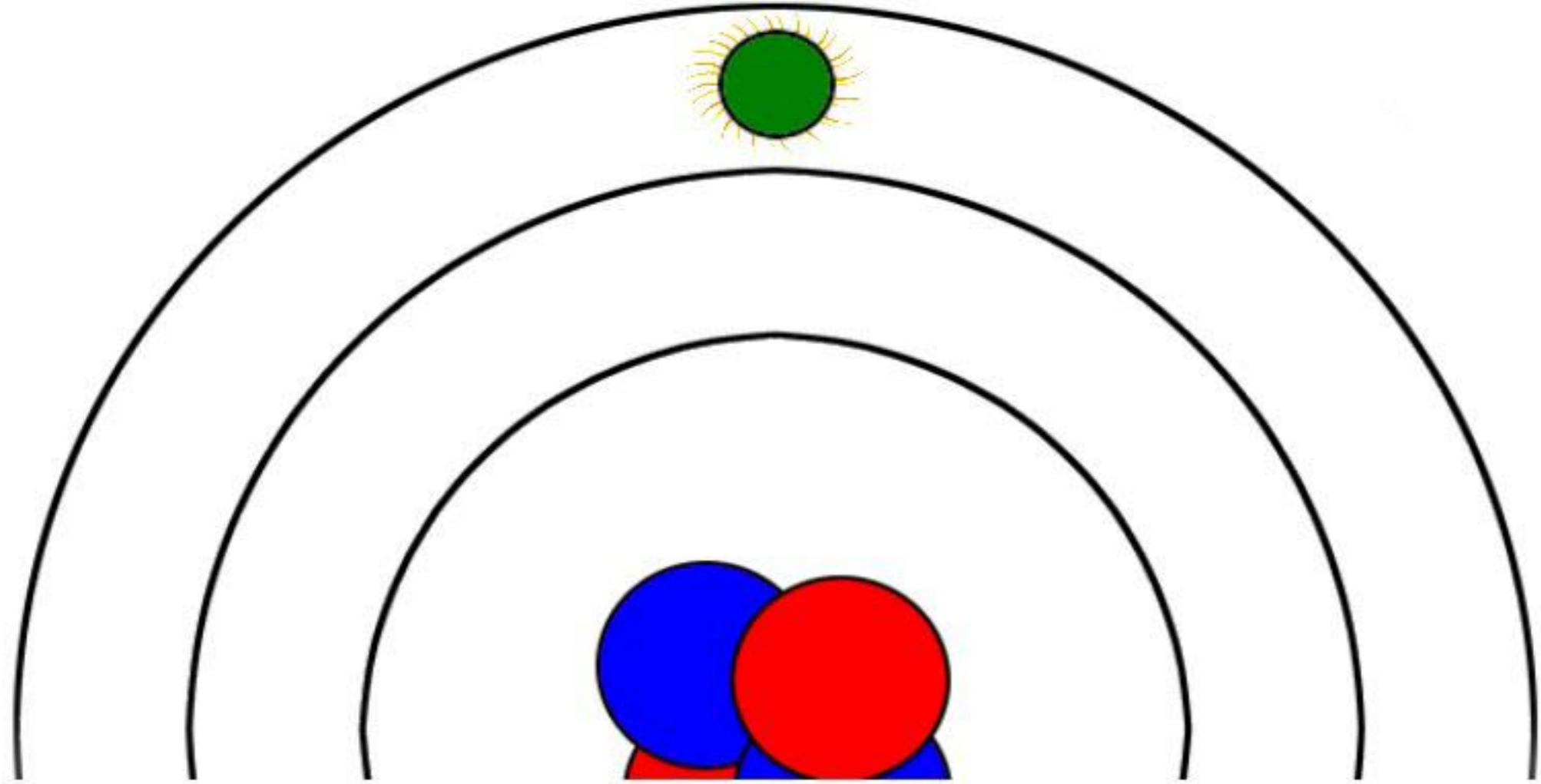
الإلكترون ممكن يكون هنا



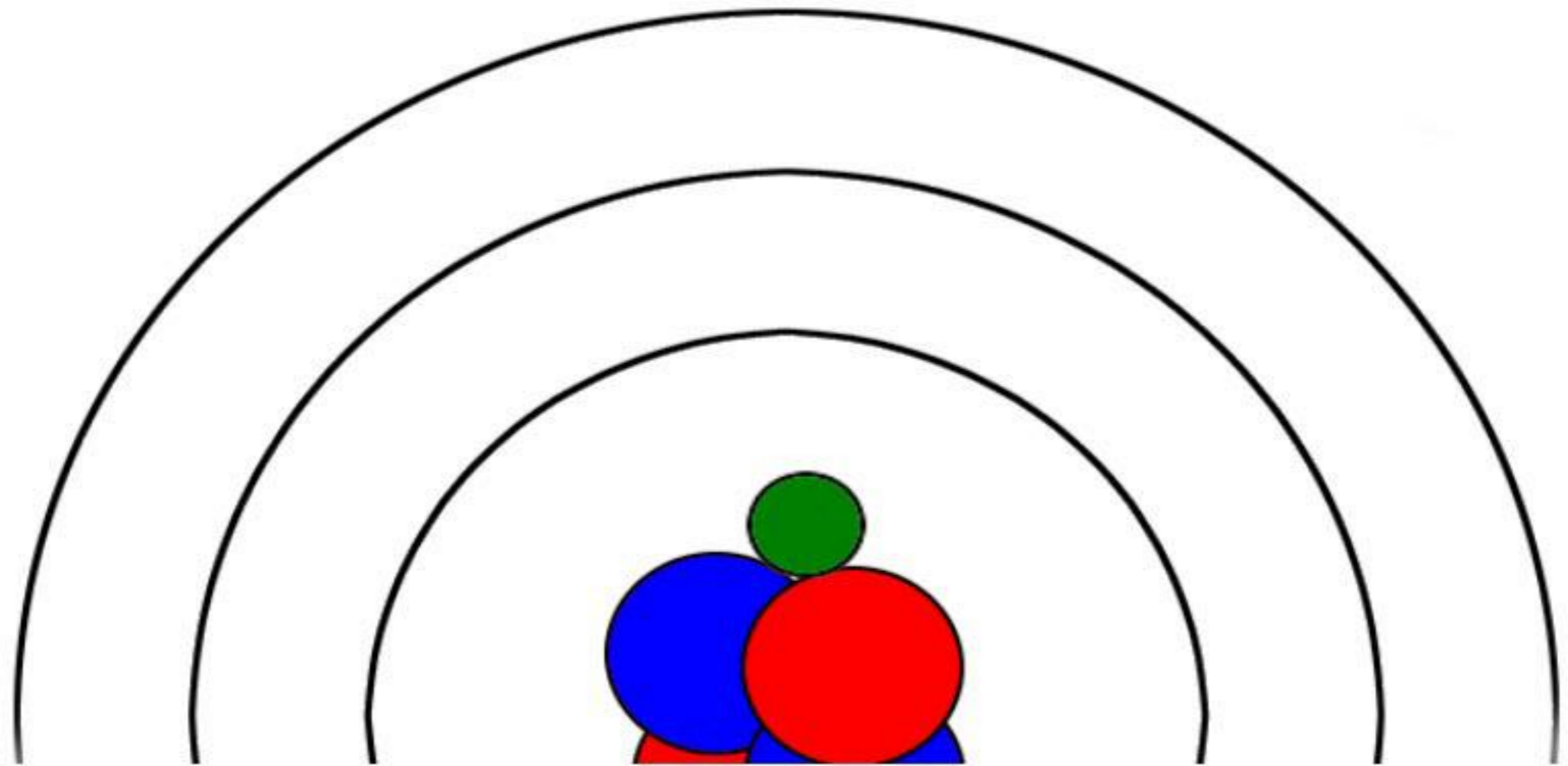
أوهنا



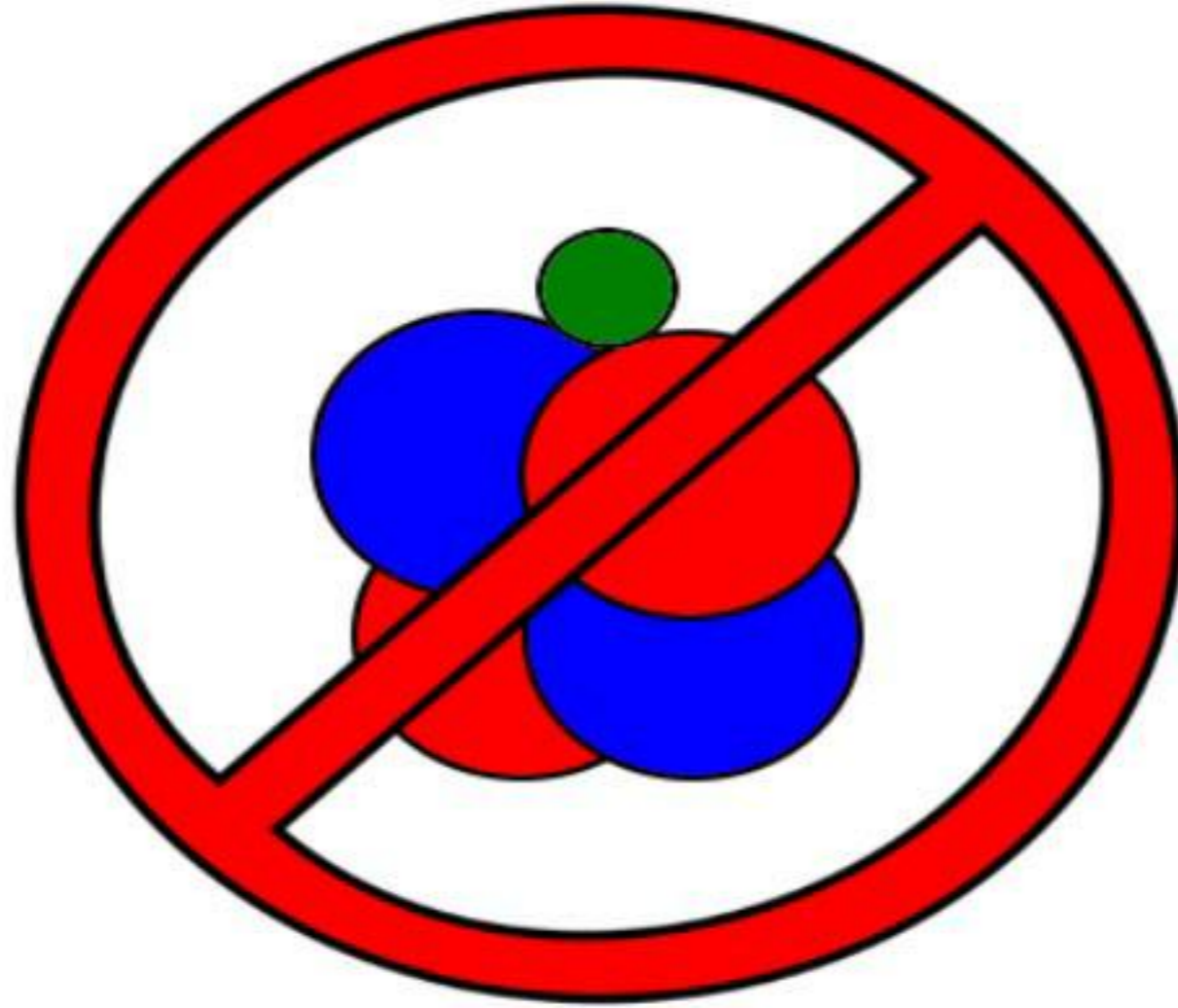
أوهنا



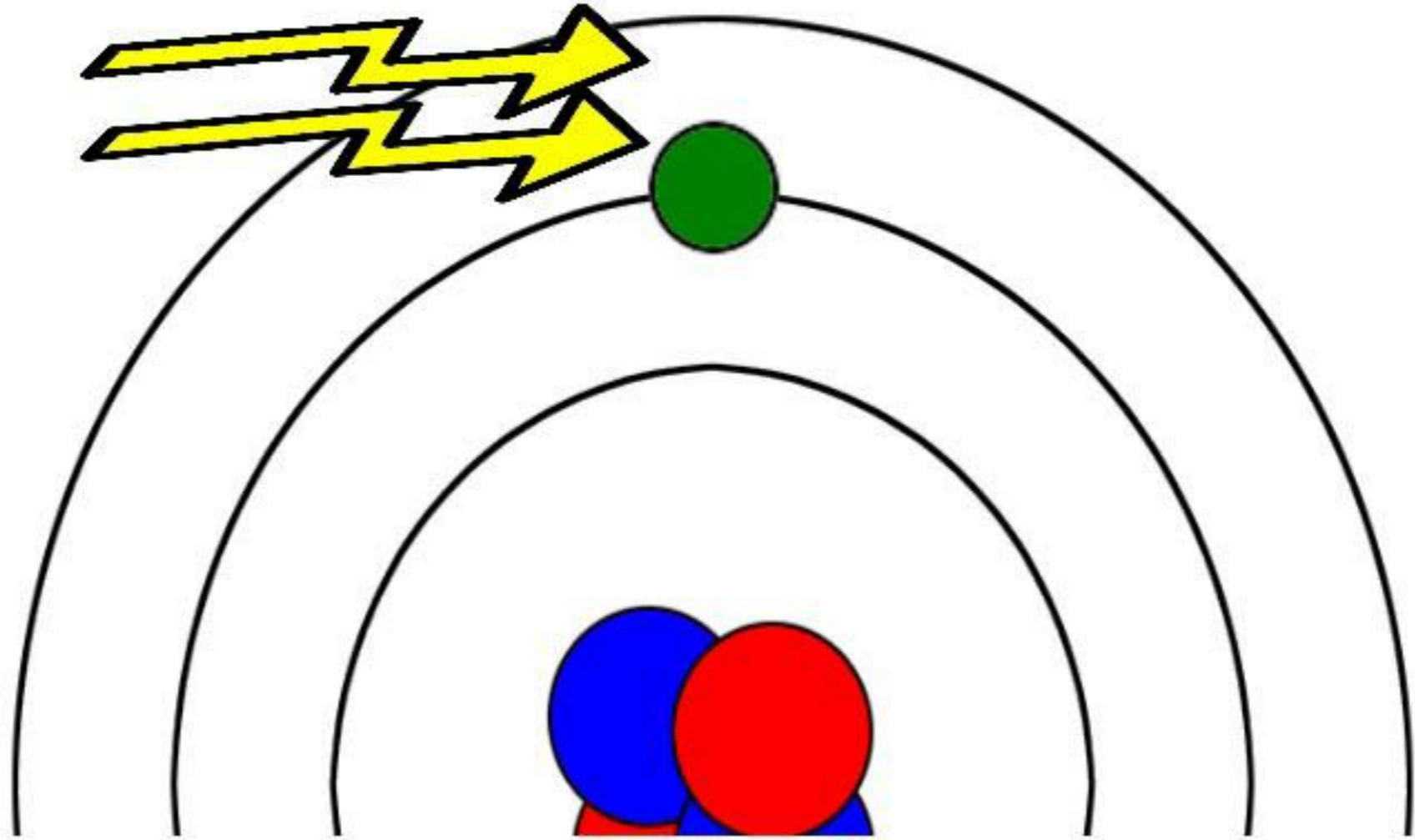
ولکن لیس ہنا



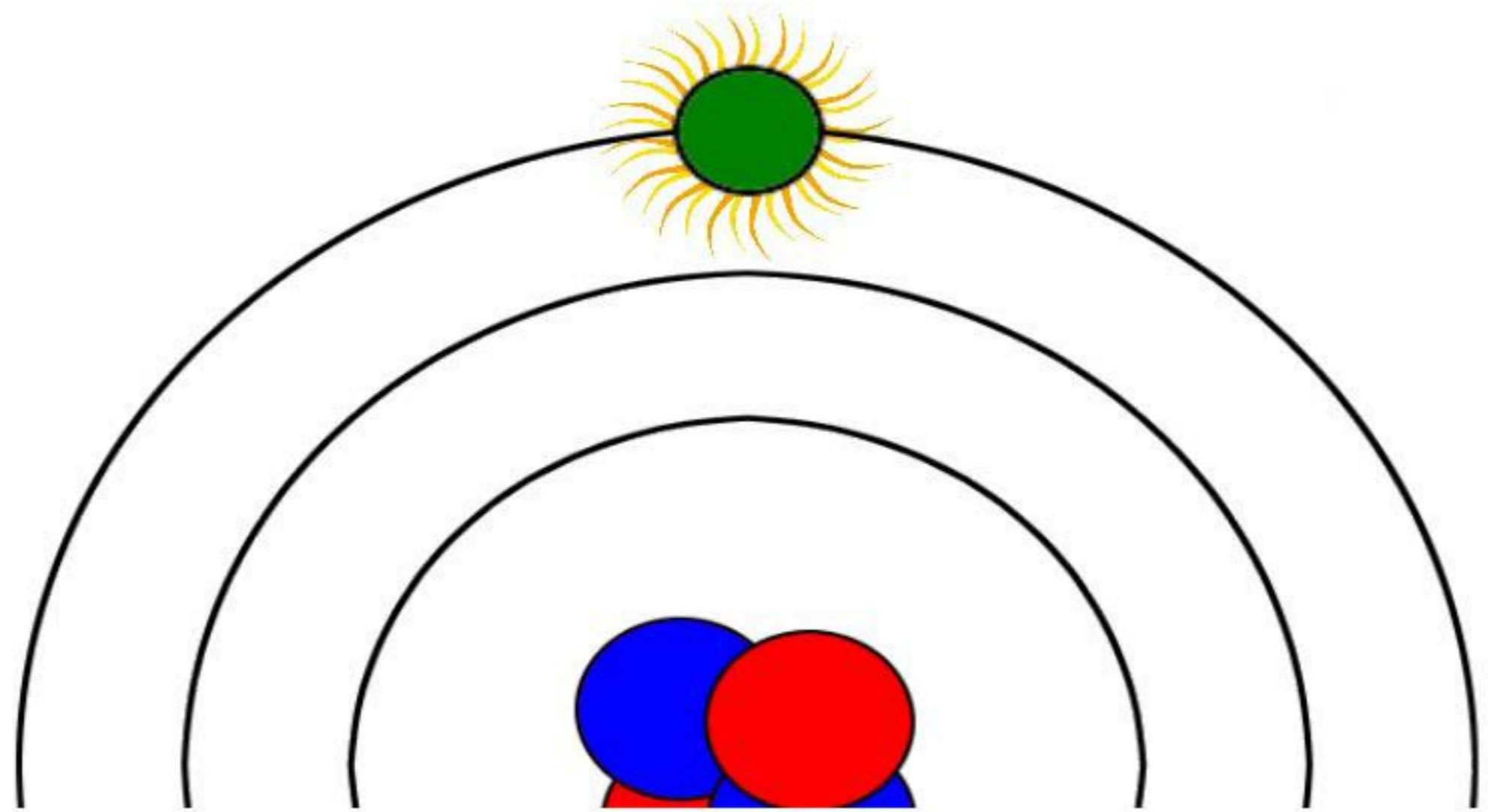
وليس هنا



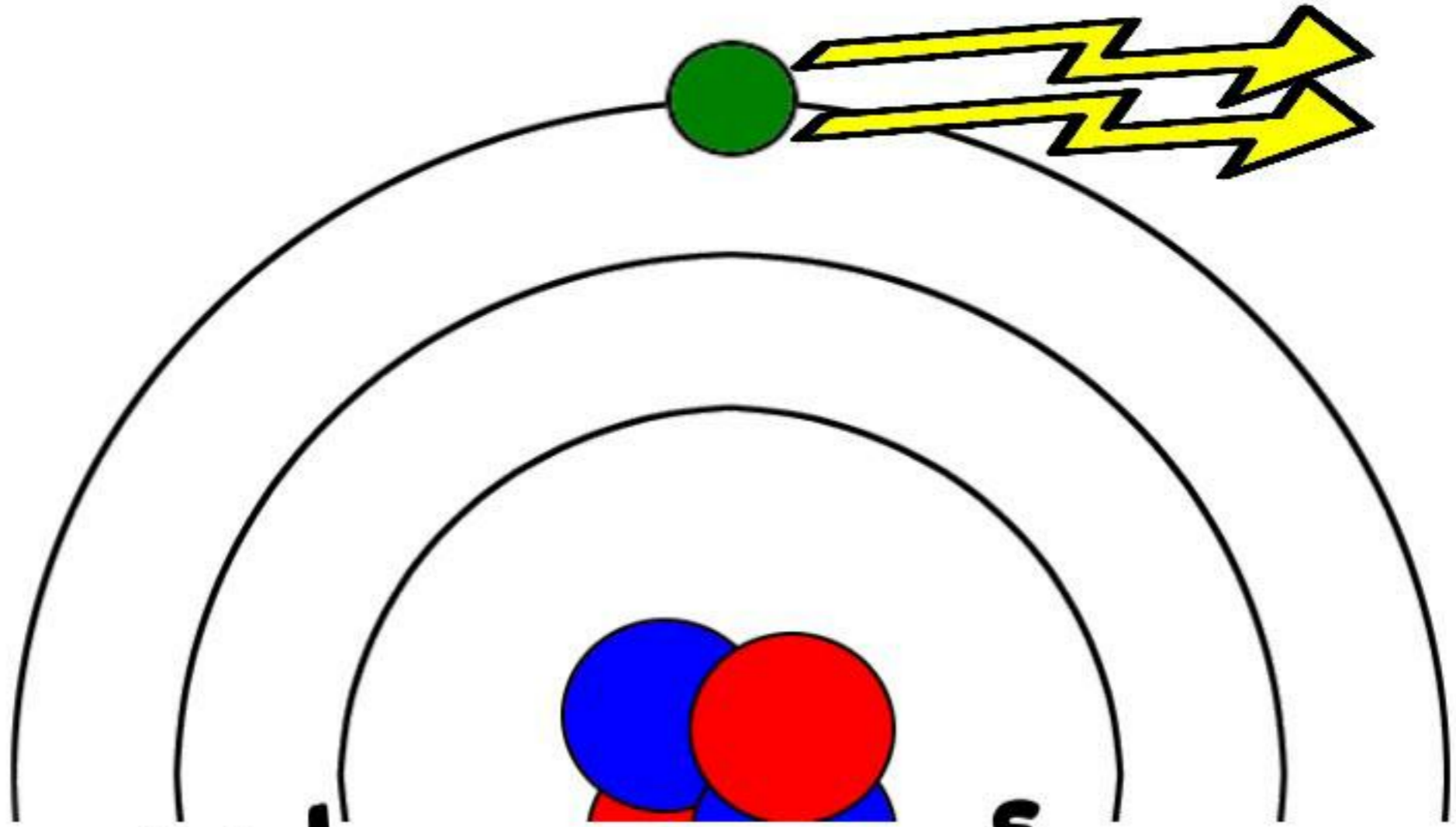
لا يمكن للإلكترون أن يكون بلا طاقة



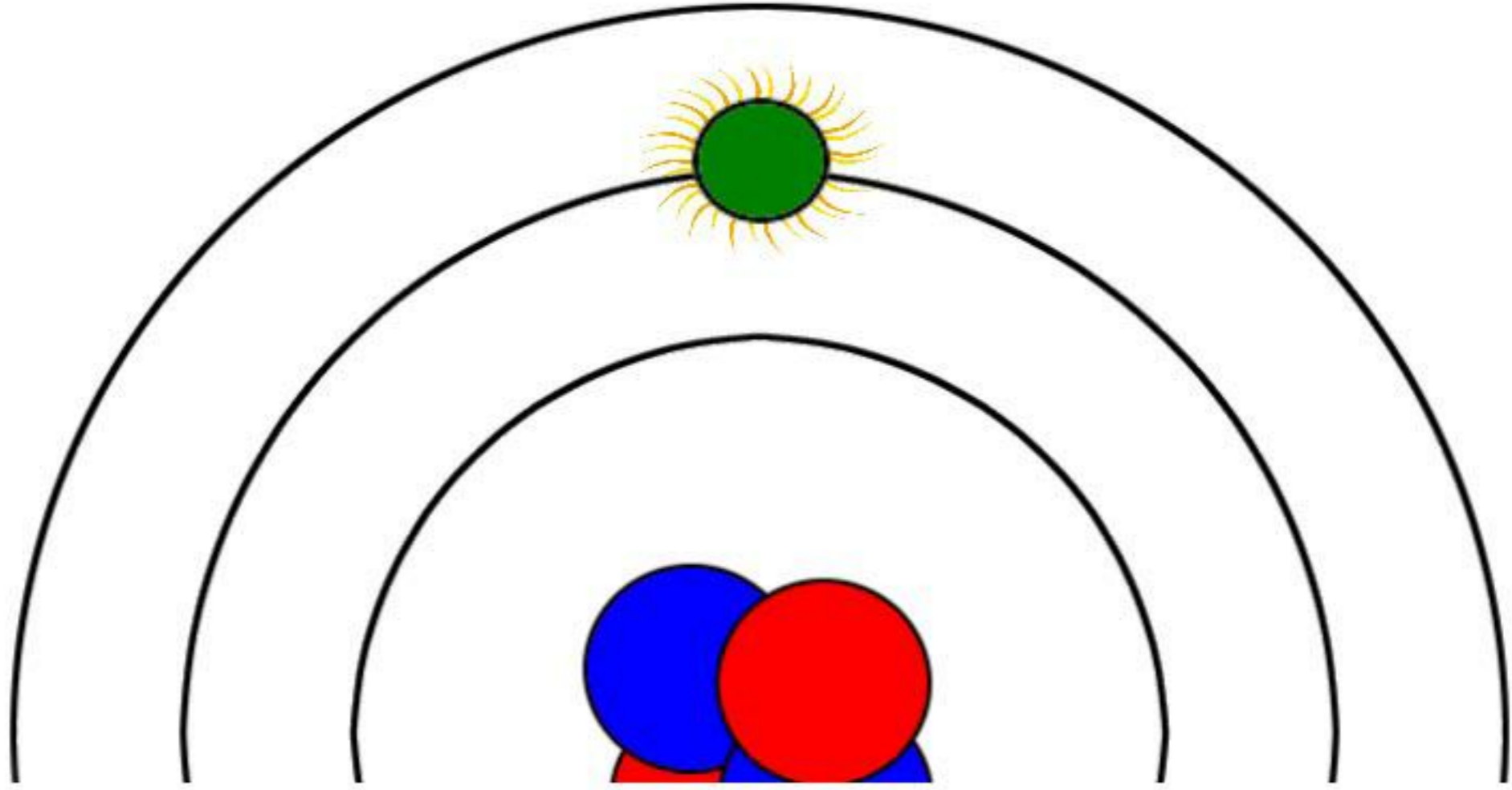
الإلكترون ممكن أن يكتسب طاقة



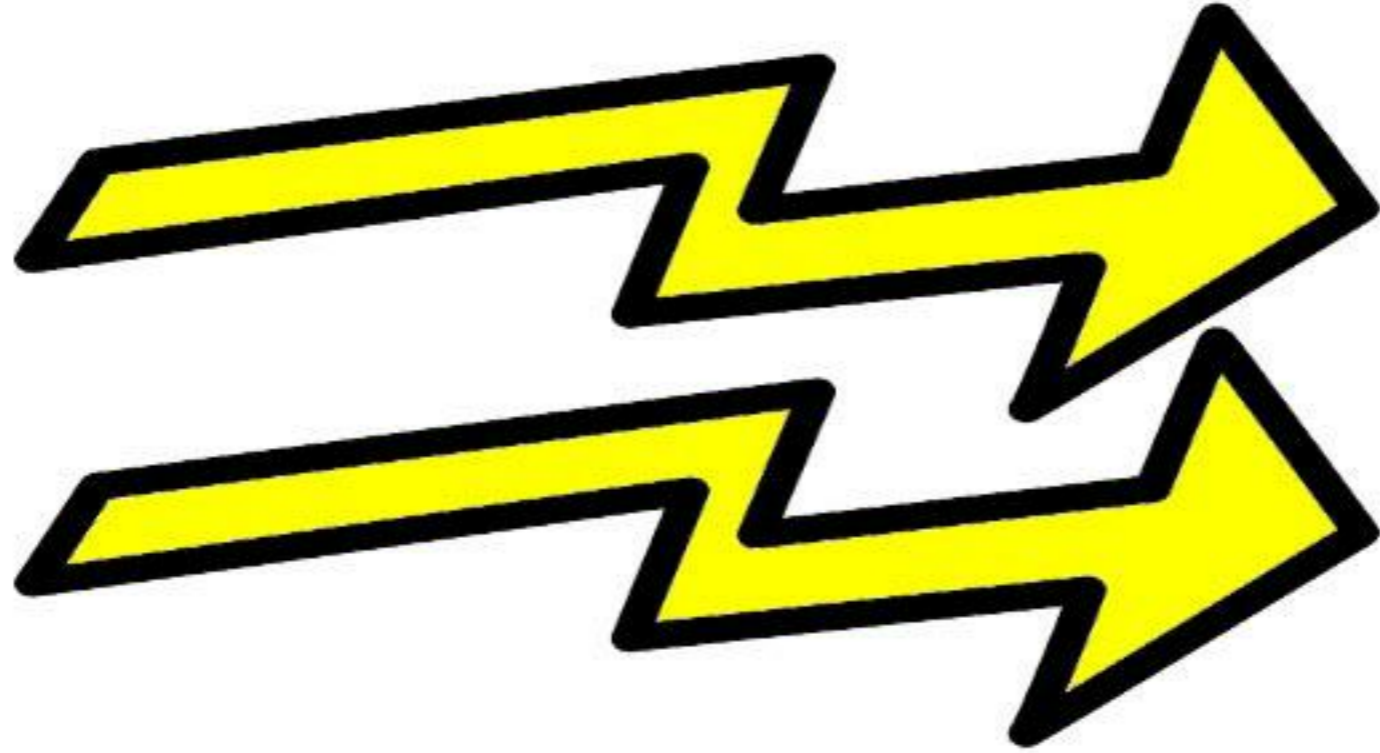
لكى يصعد مستوى طاقة أكبر



ويجب أن يفقد طاقة



لكى يهبط مستوى طاقة أقل

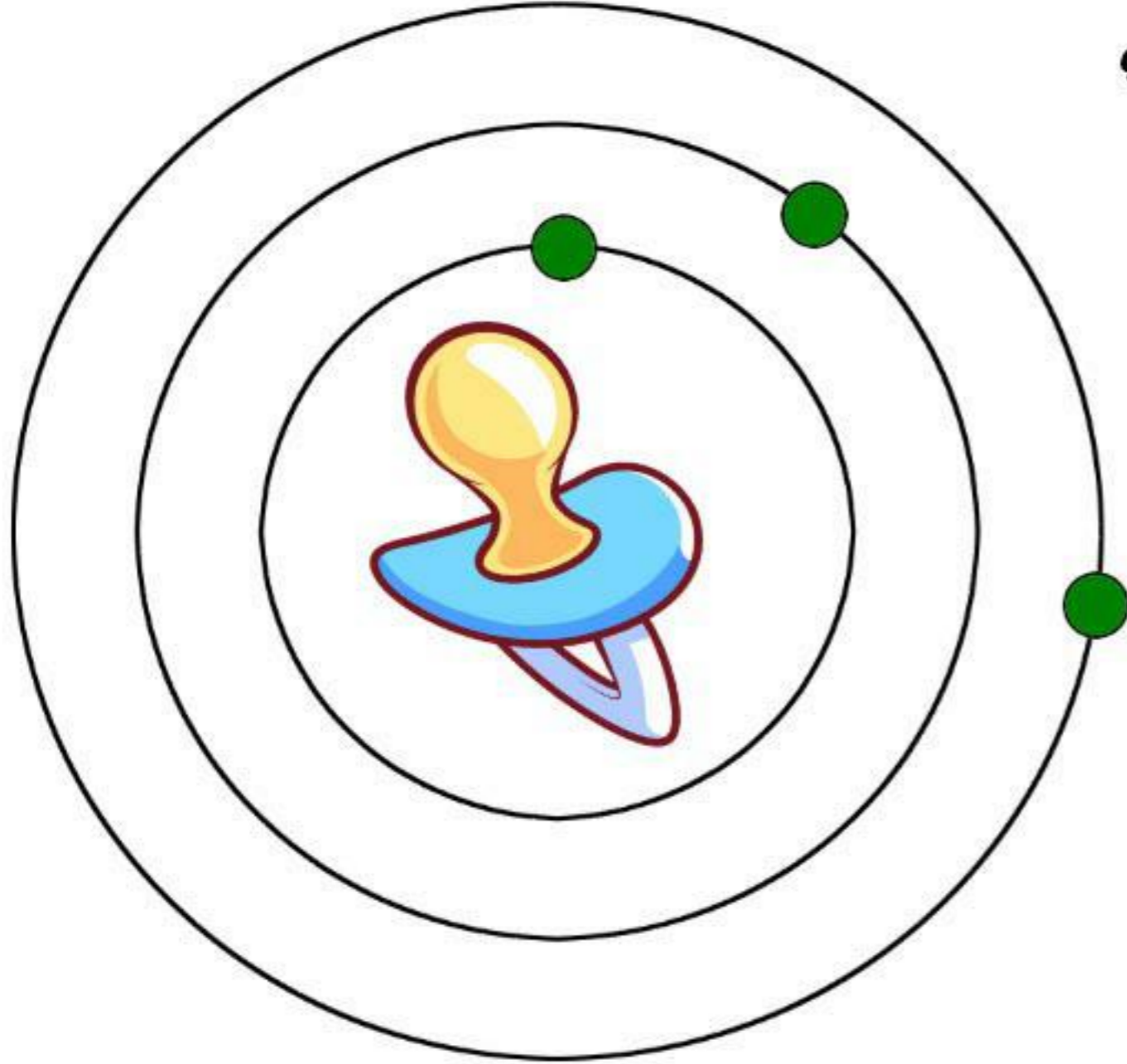


هذا القدر من الطاقة
المكتسبة أو المفقودة يسمى (كوانتا)

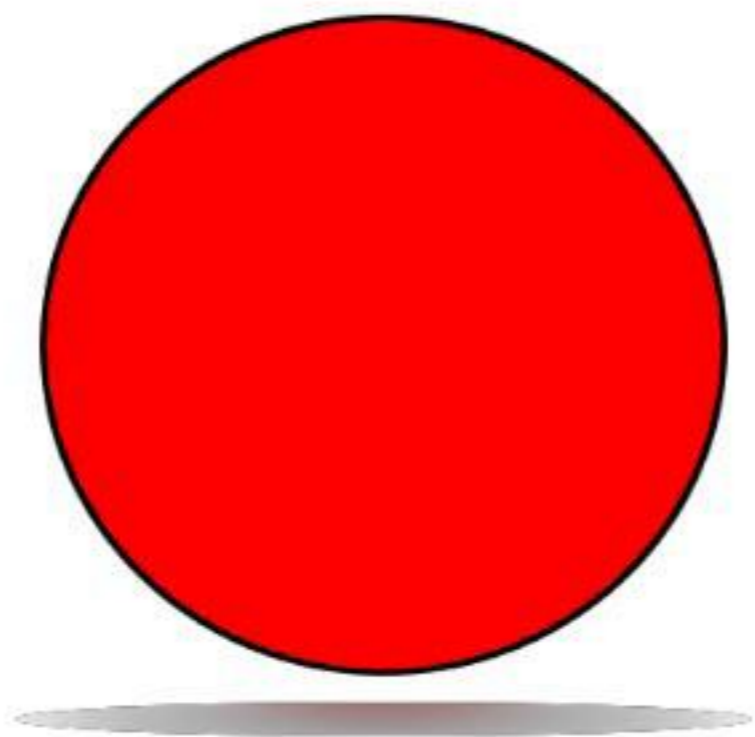


أنت الآن فيزيائي كمي

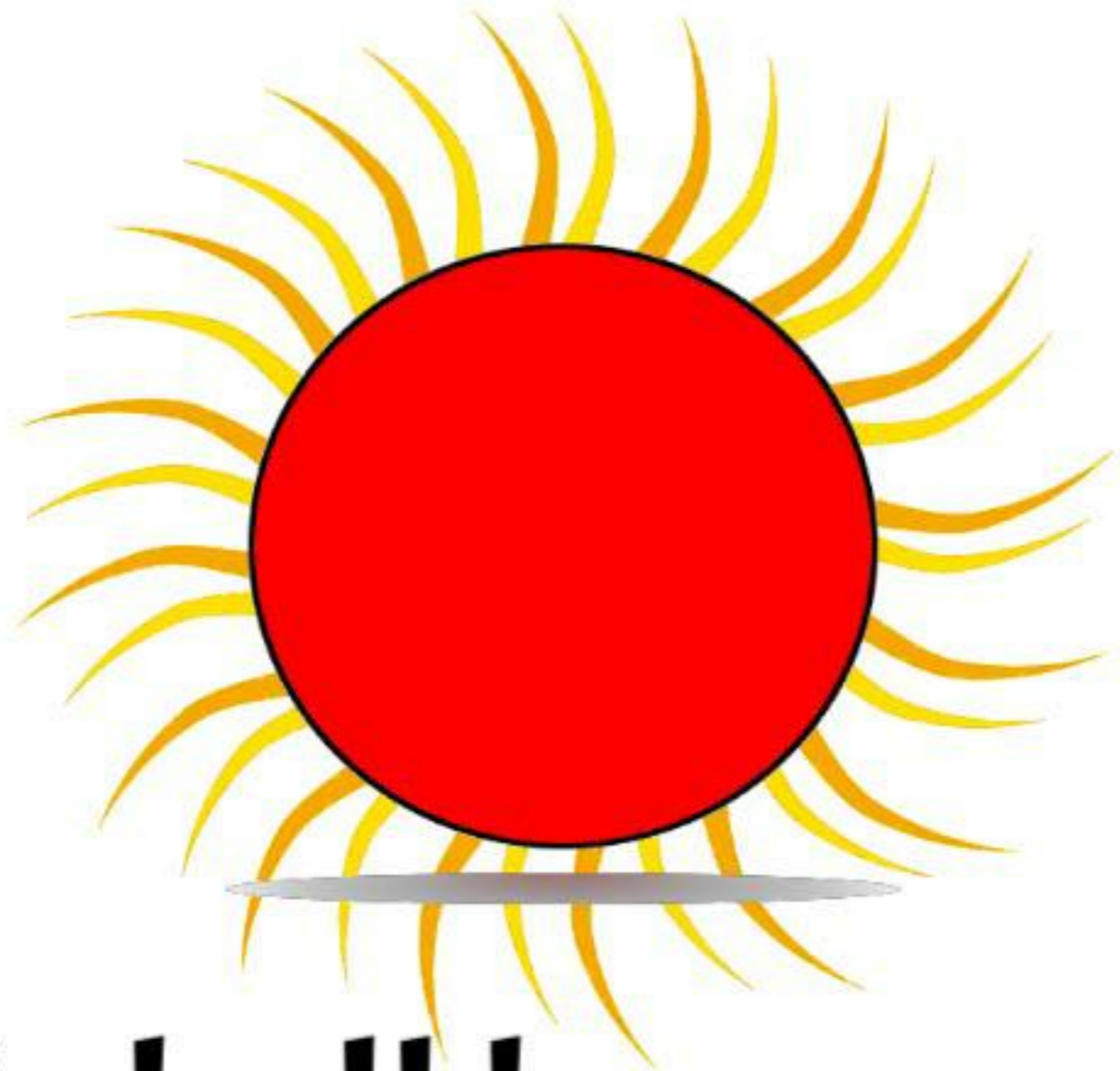
موقع الفريد في الفيزياء



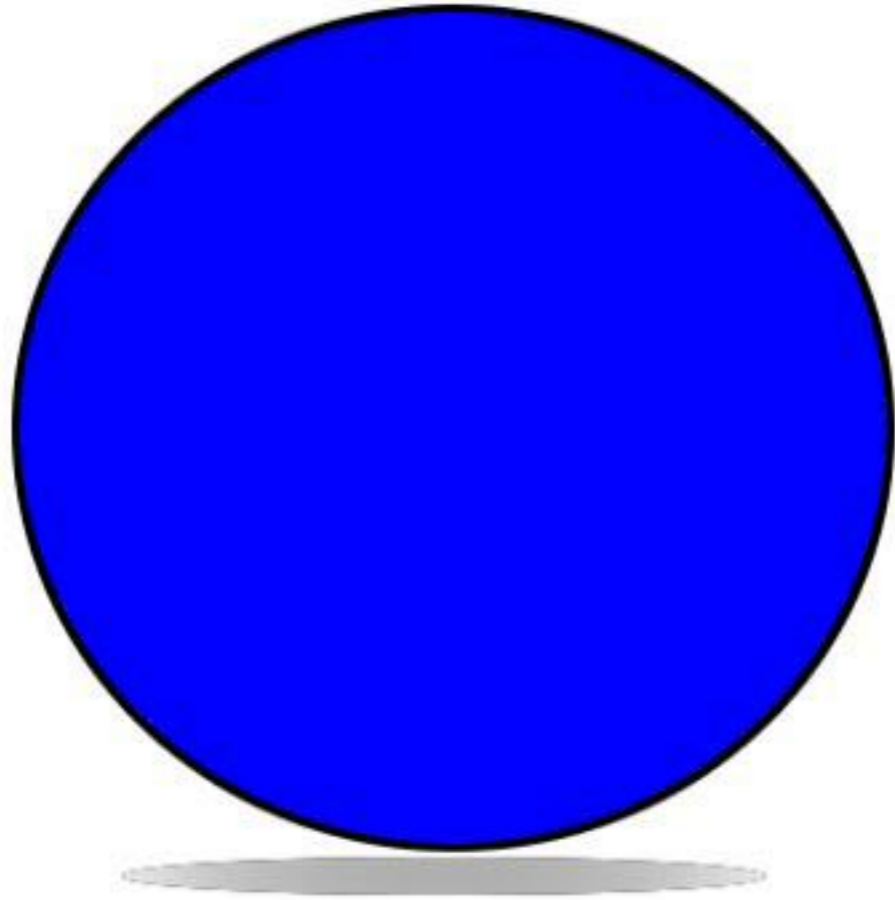
Quantum Physics For Babies



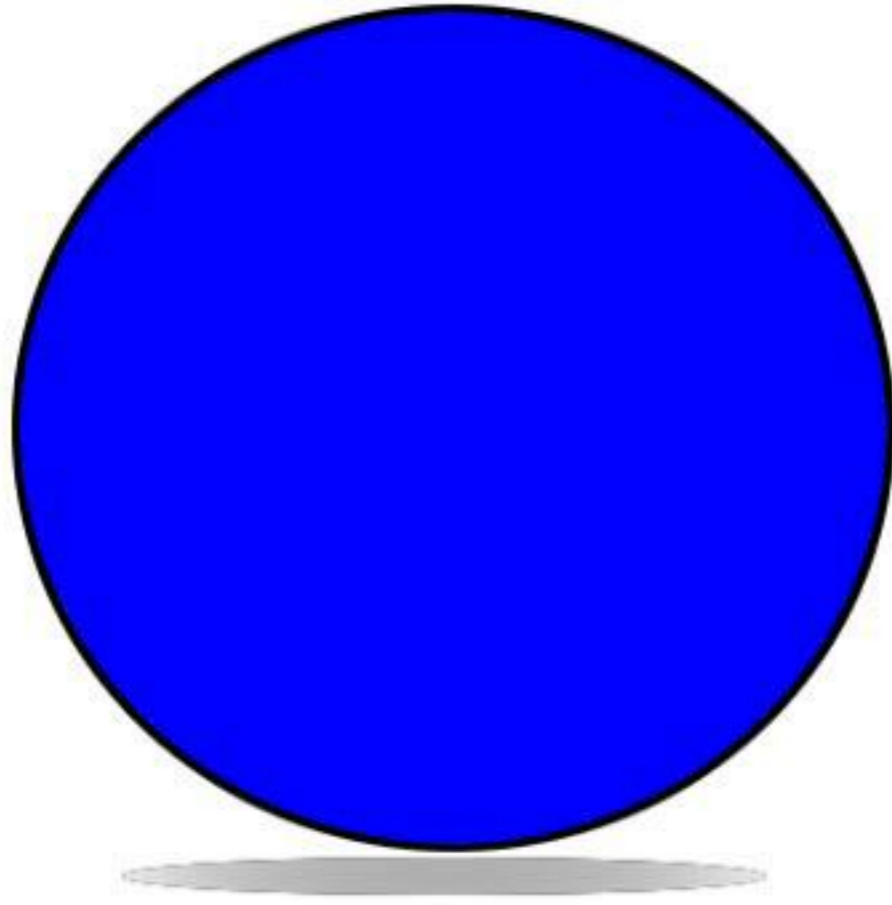
This is a ball



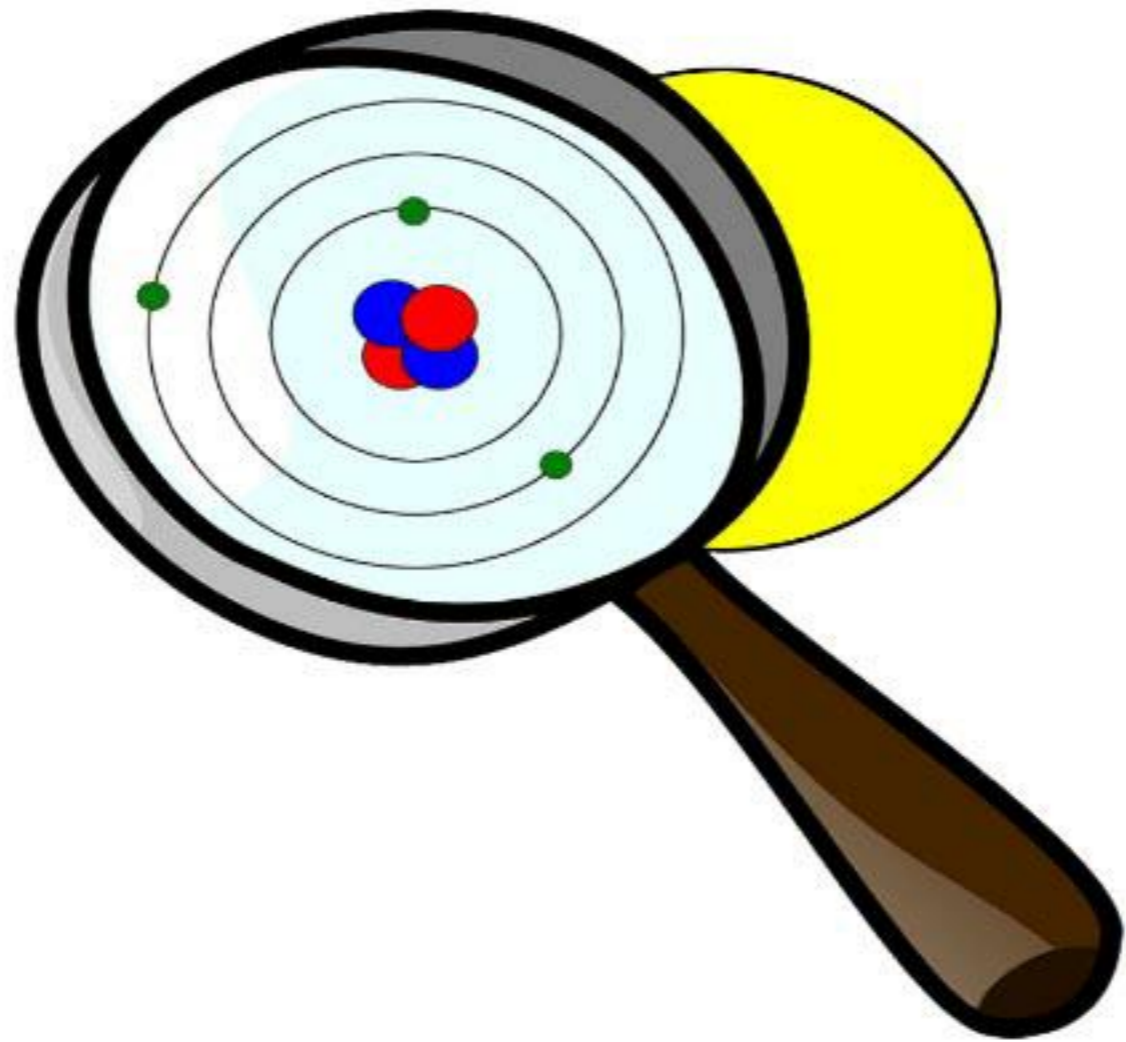
This ball has energy



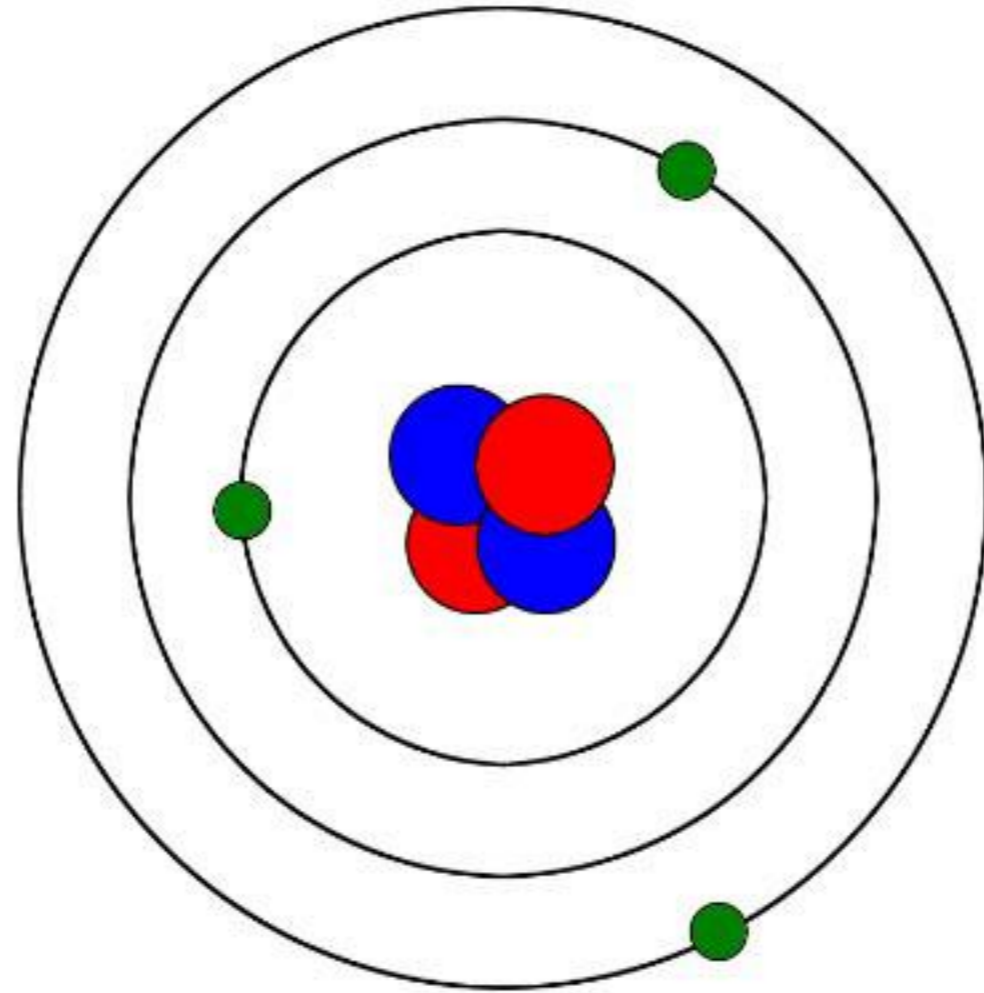
This is a ball



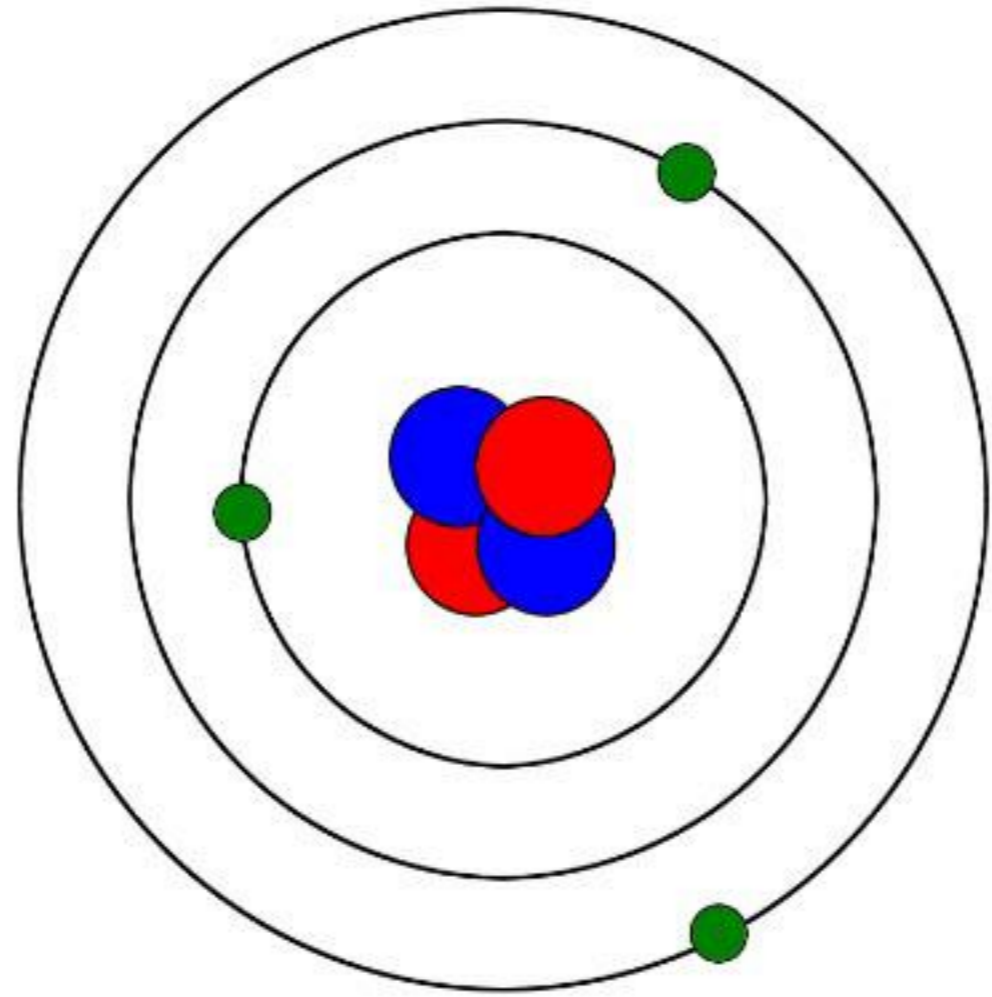
This ball has zero energy



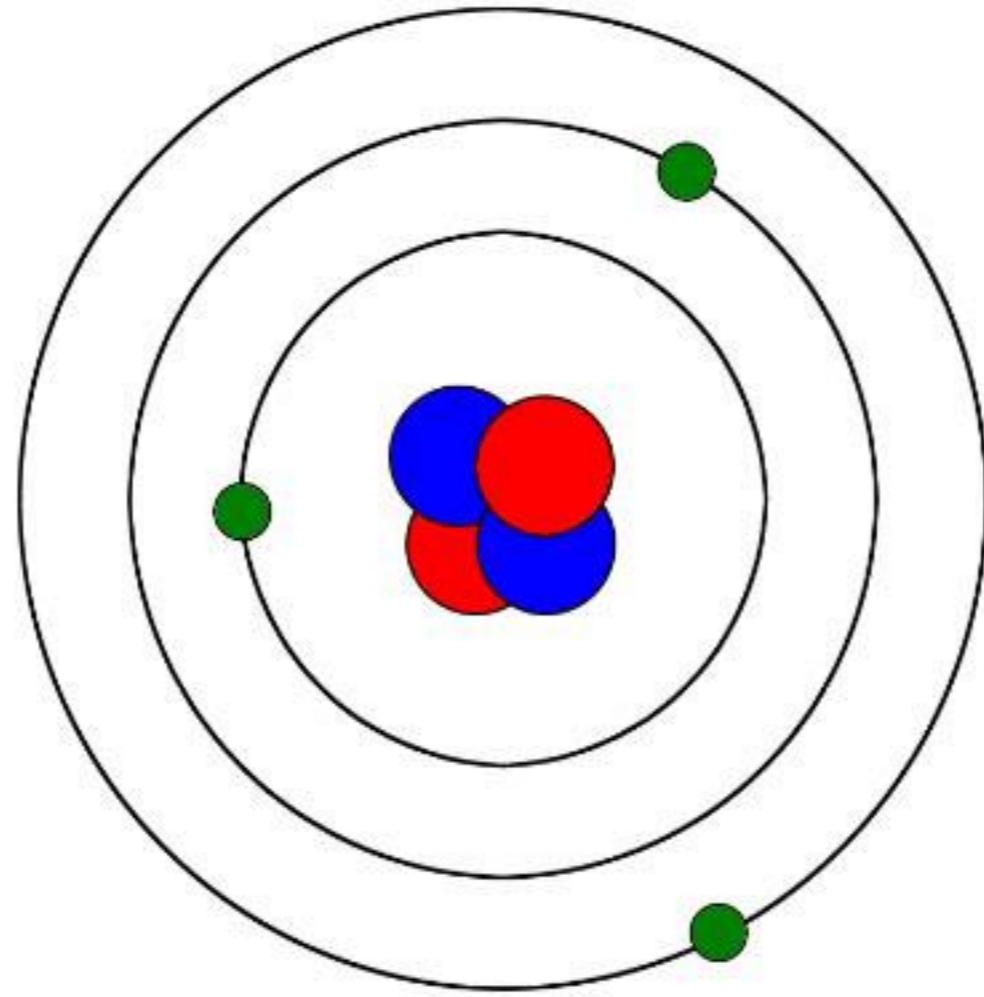
All balls are made of atoms



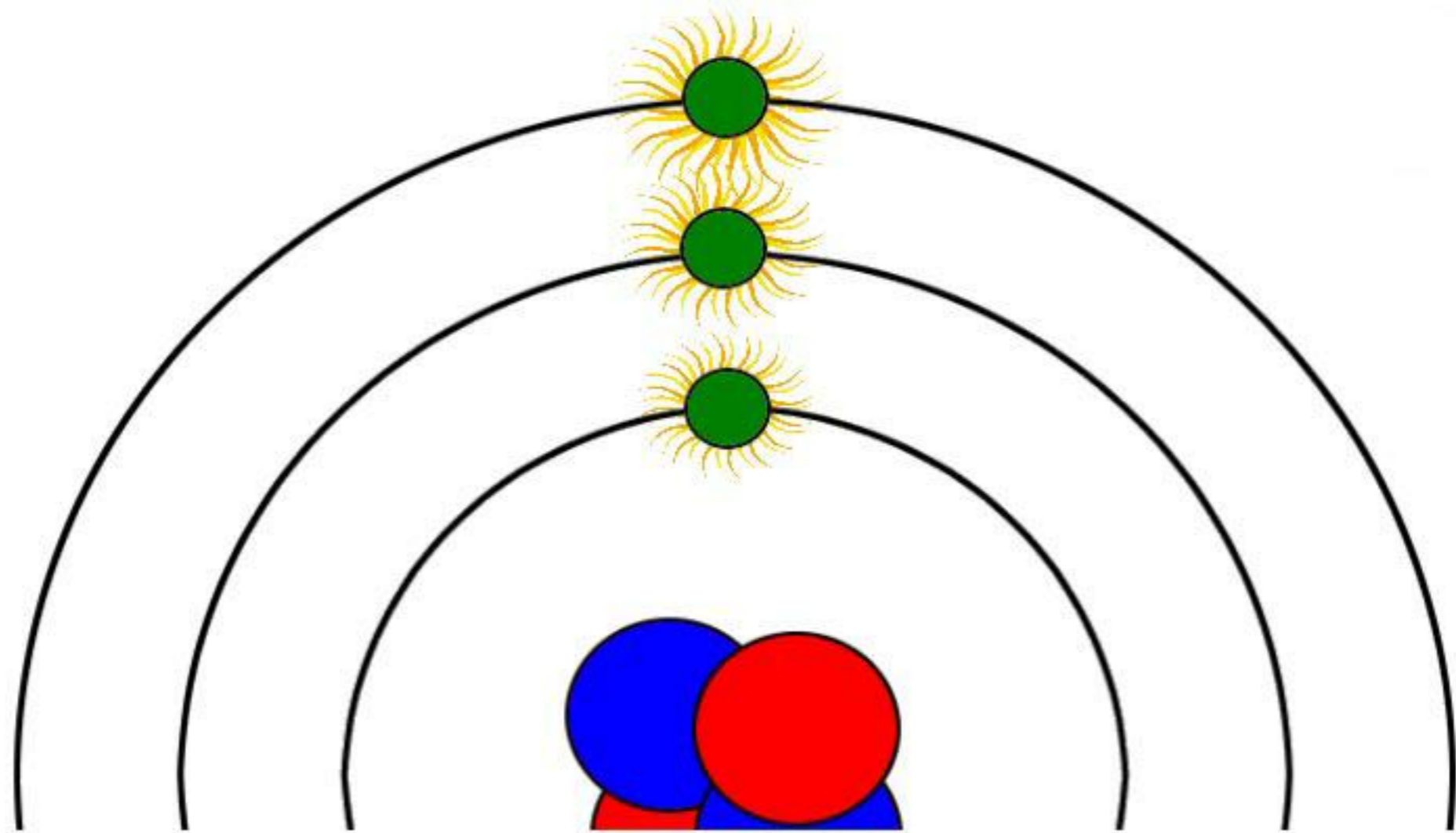
There are neutrons



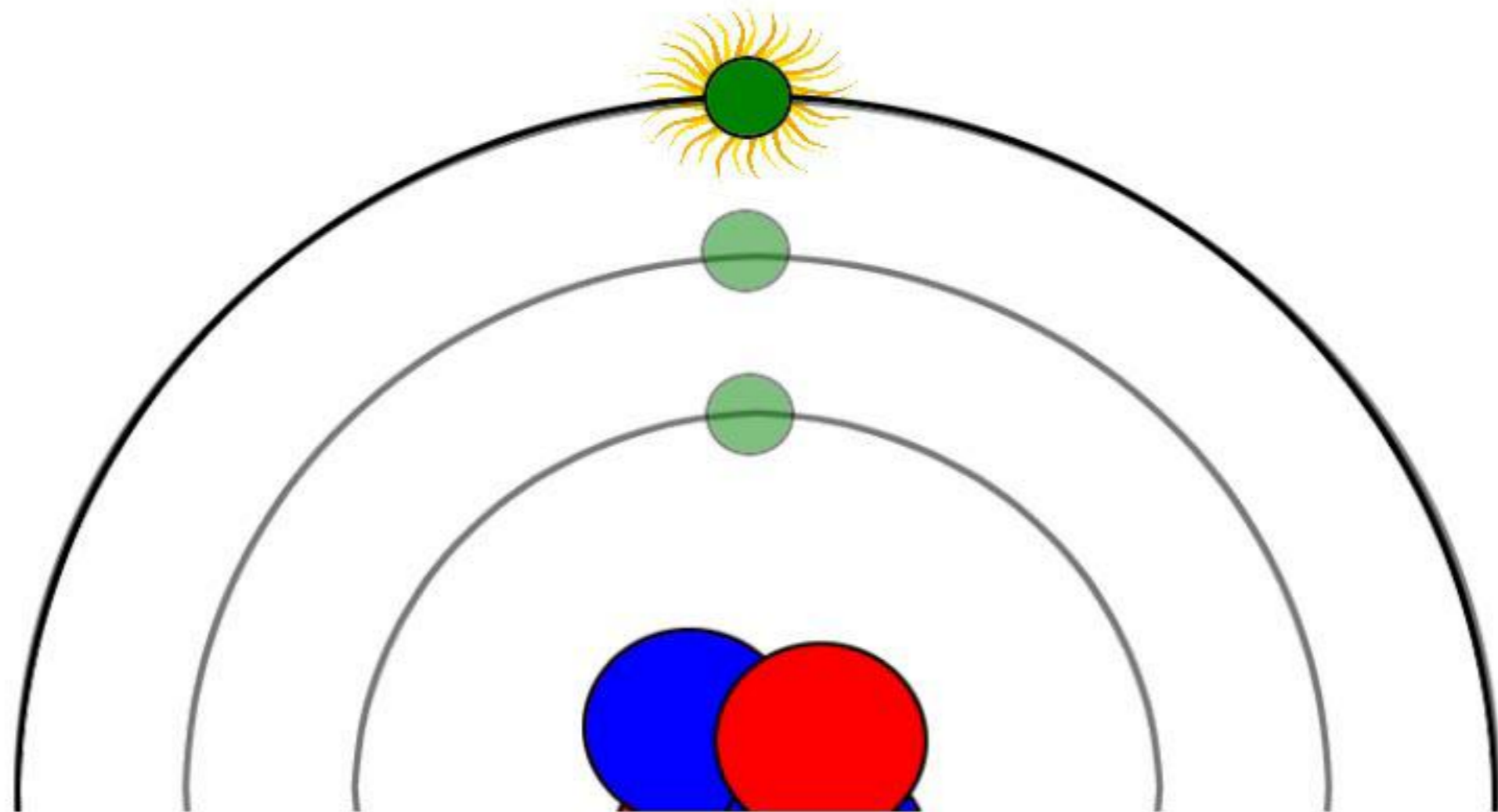
And protons



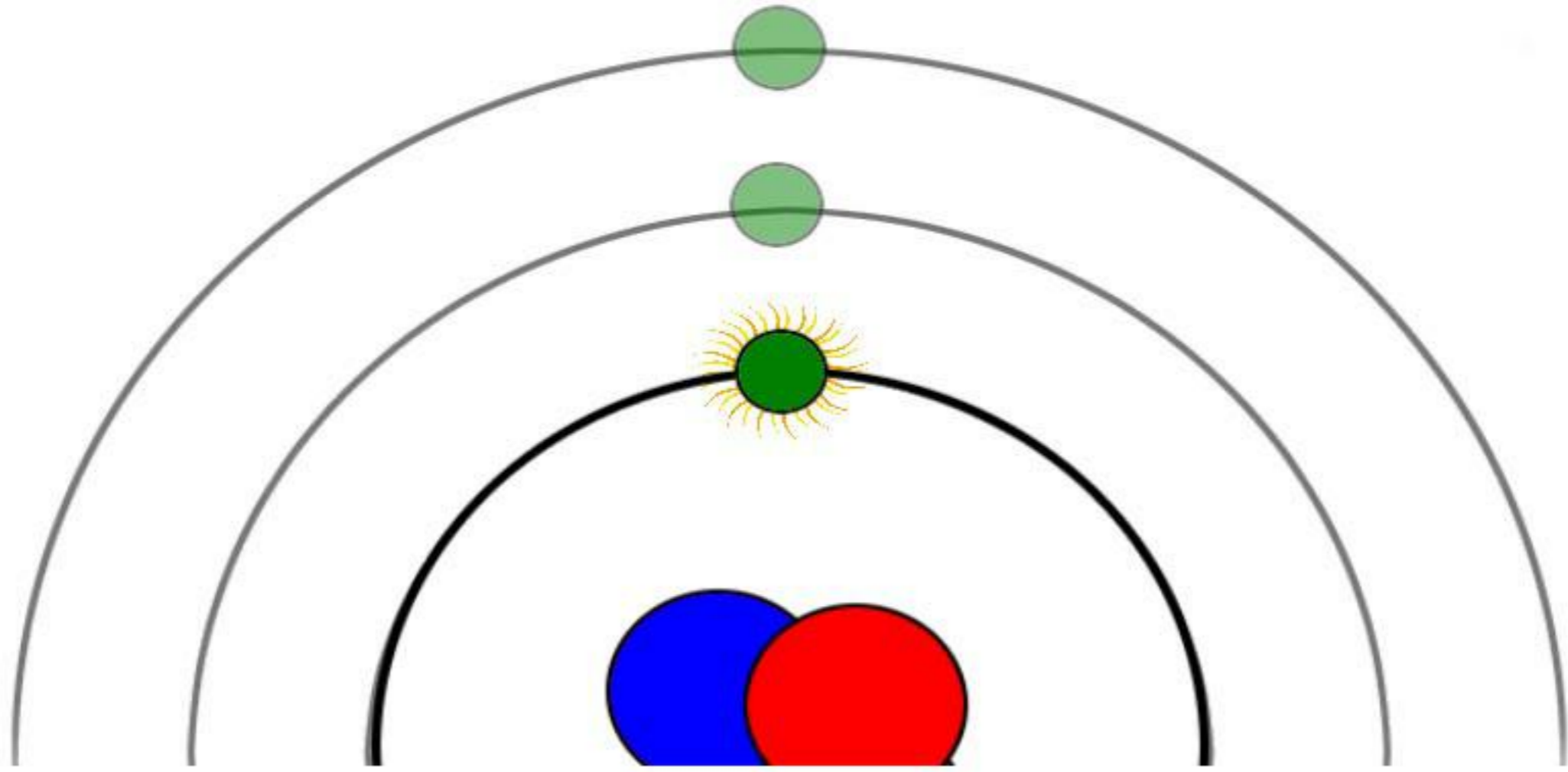
And electrons



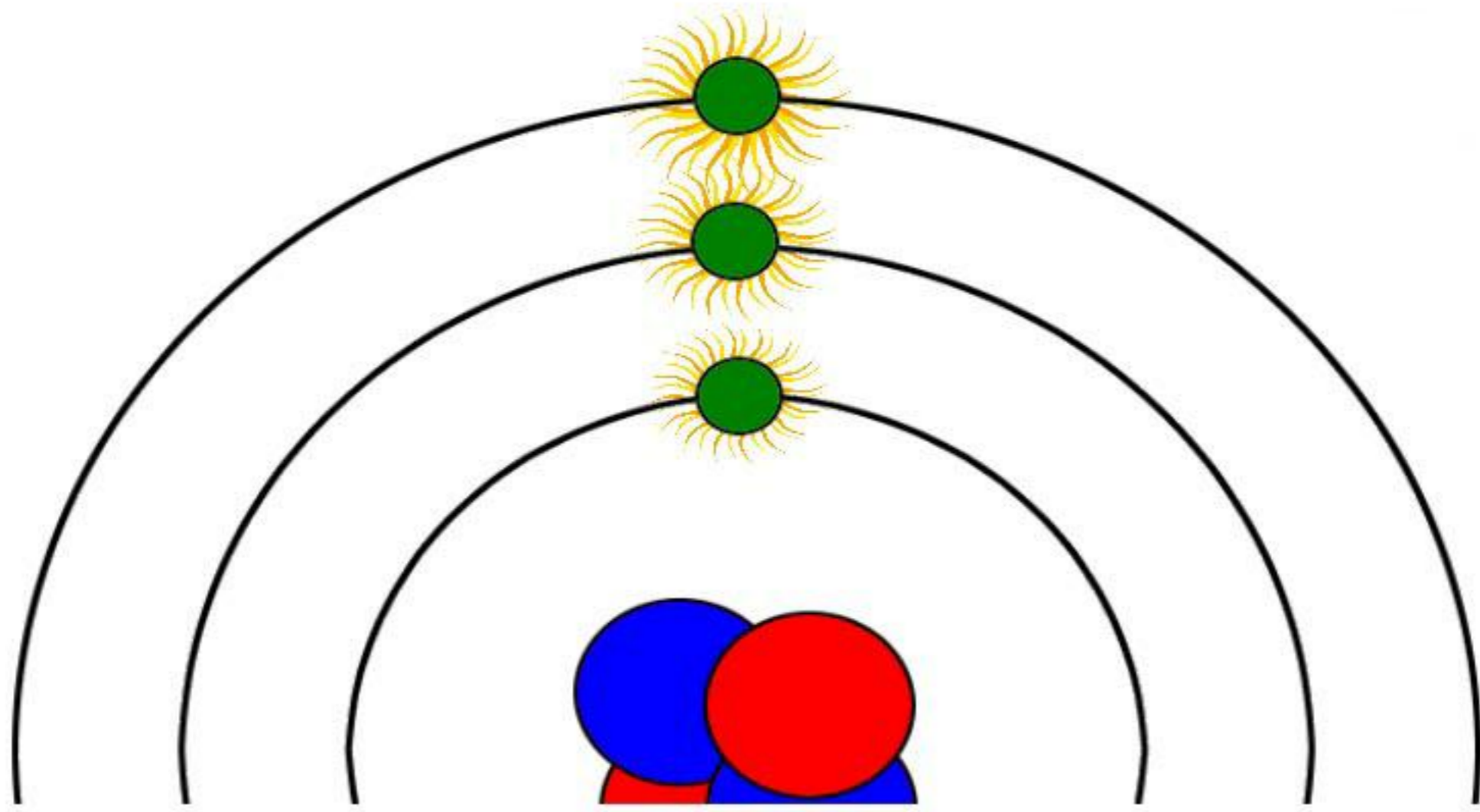
Electrons have energy



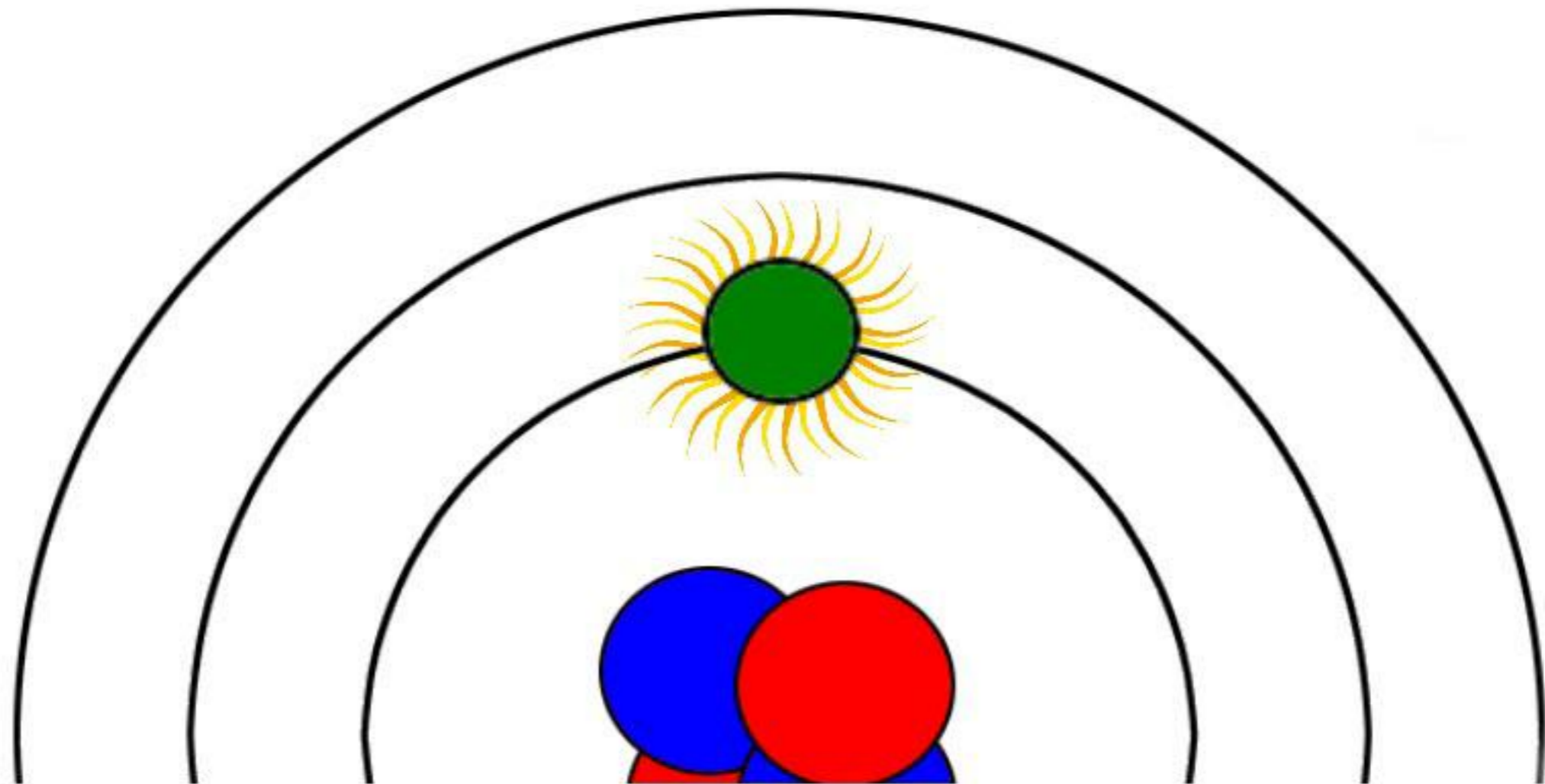
This electron has the most energy



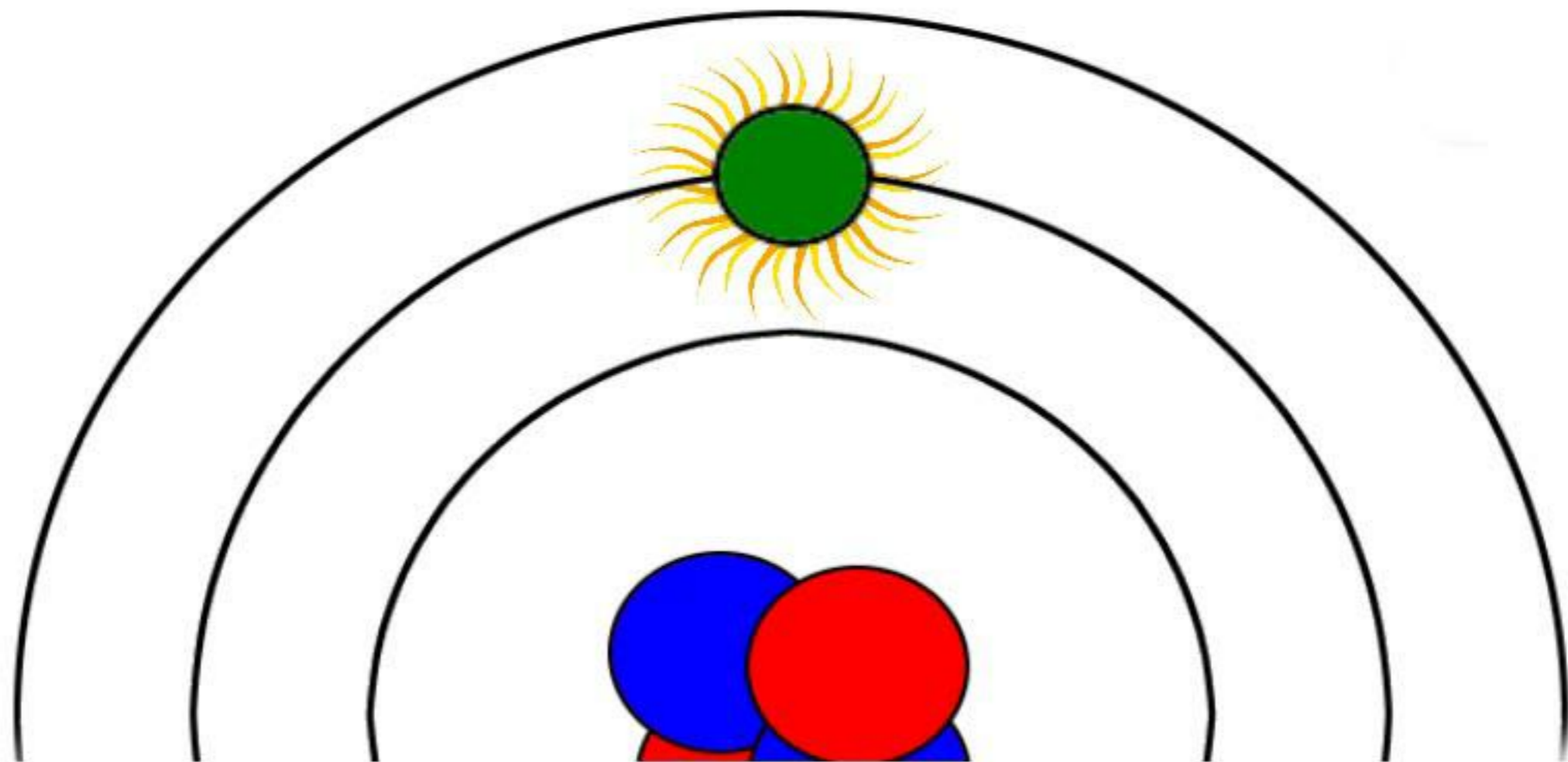
This electron has the least energy



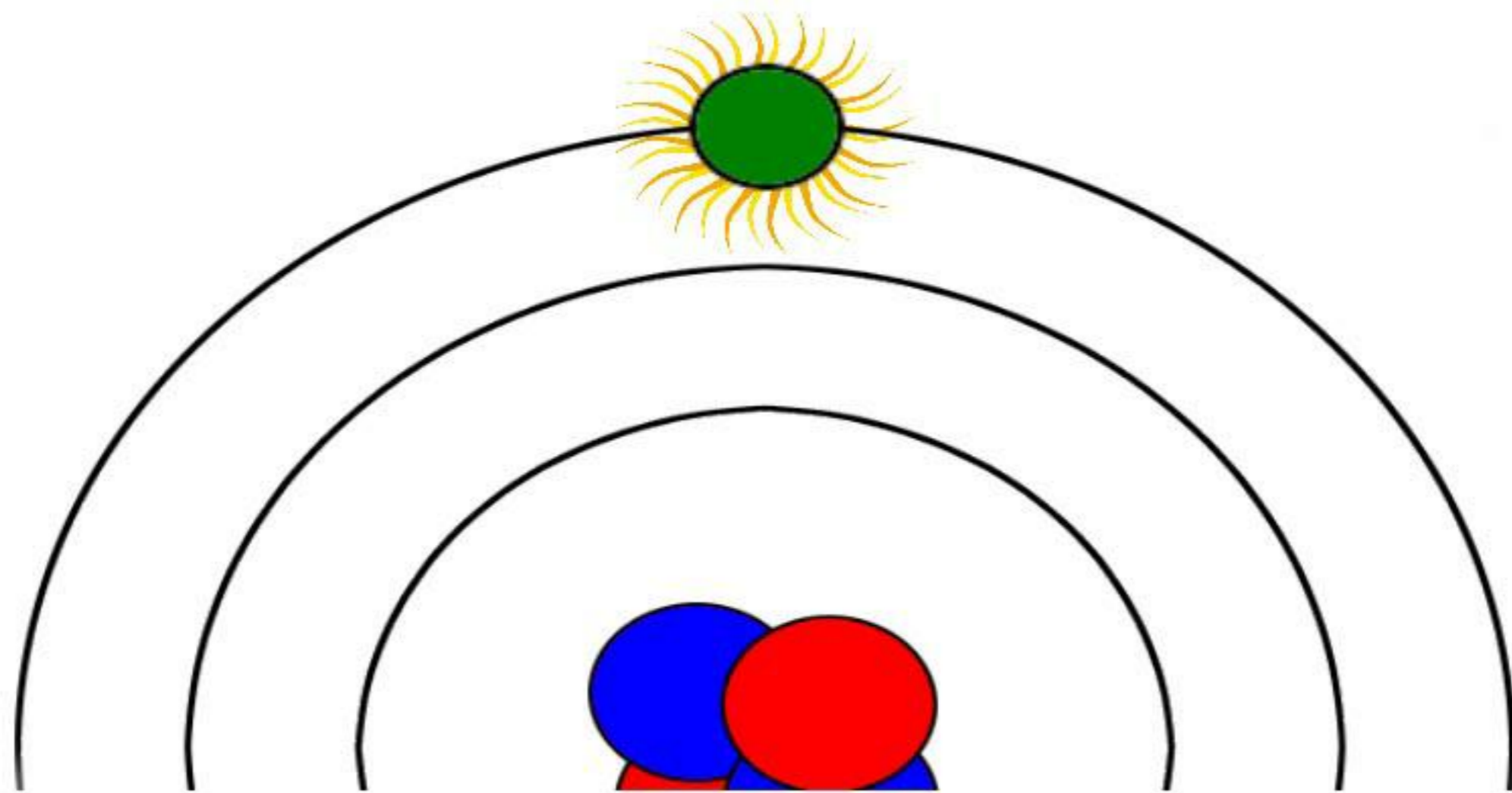
Energy is quantized



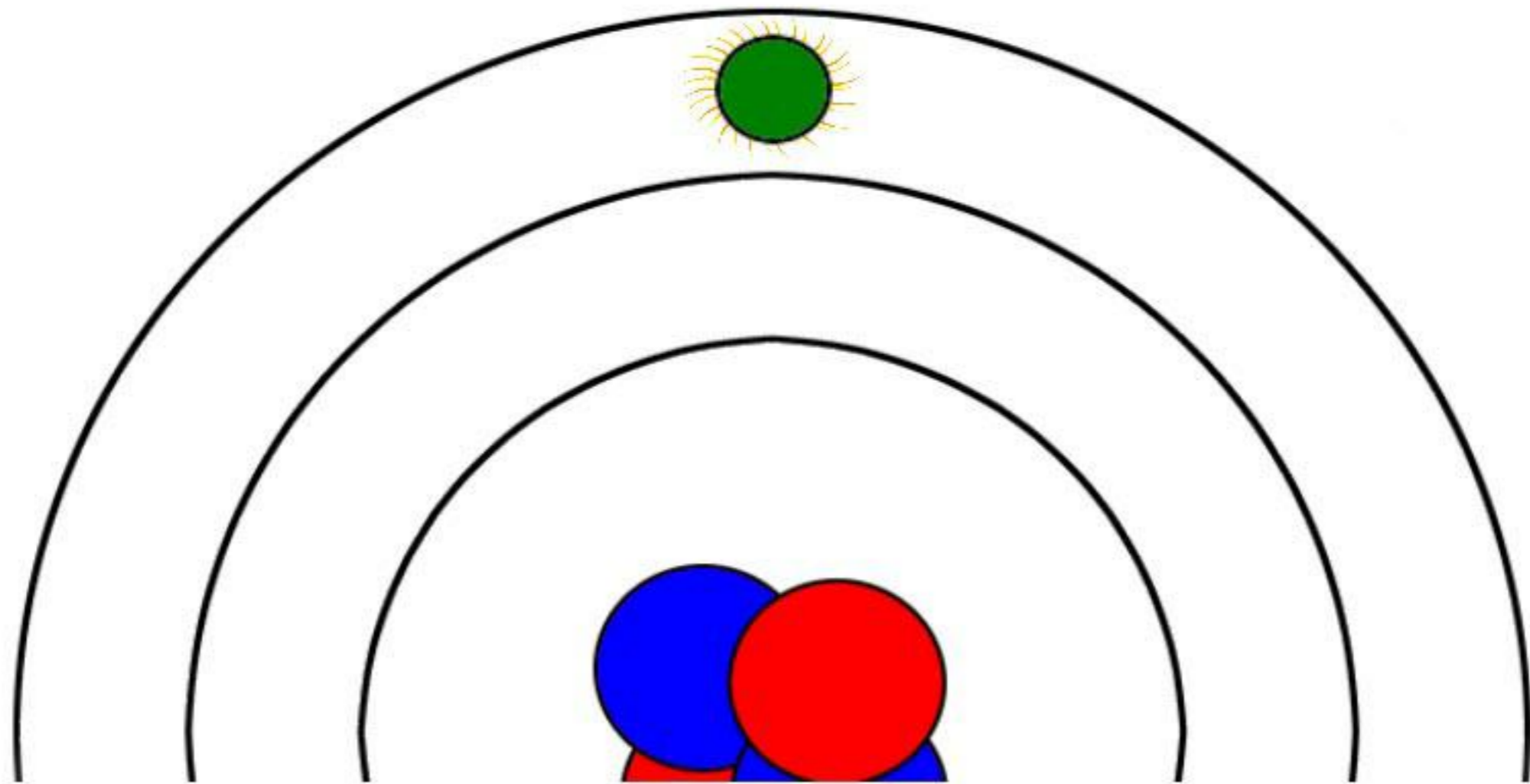
An electron can be here



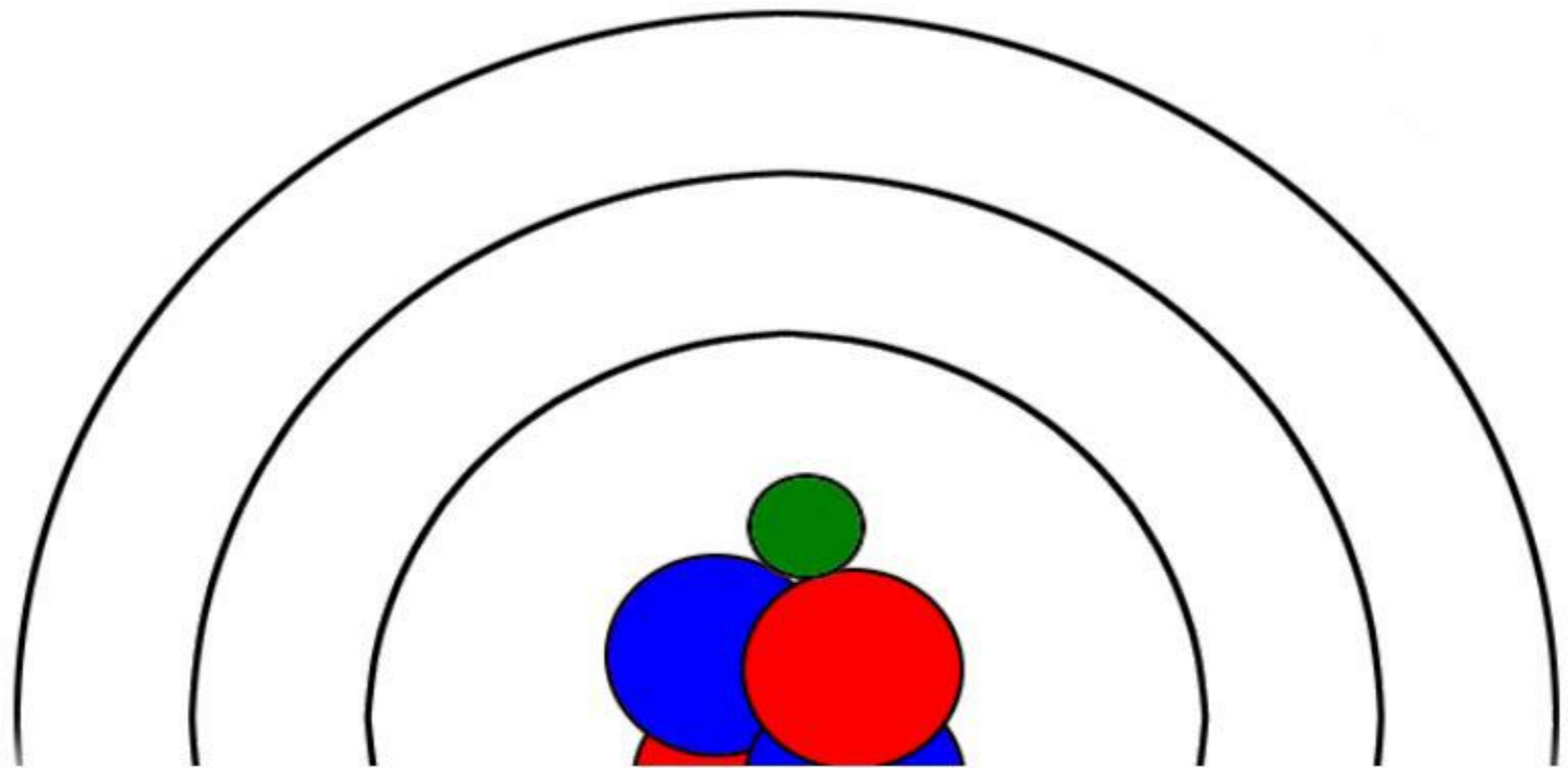
Or here



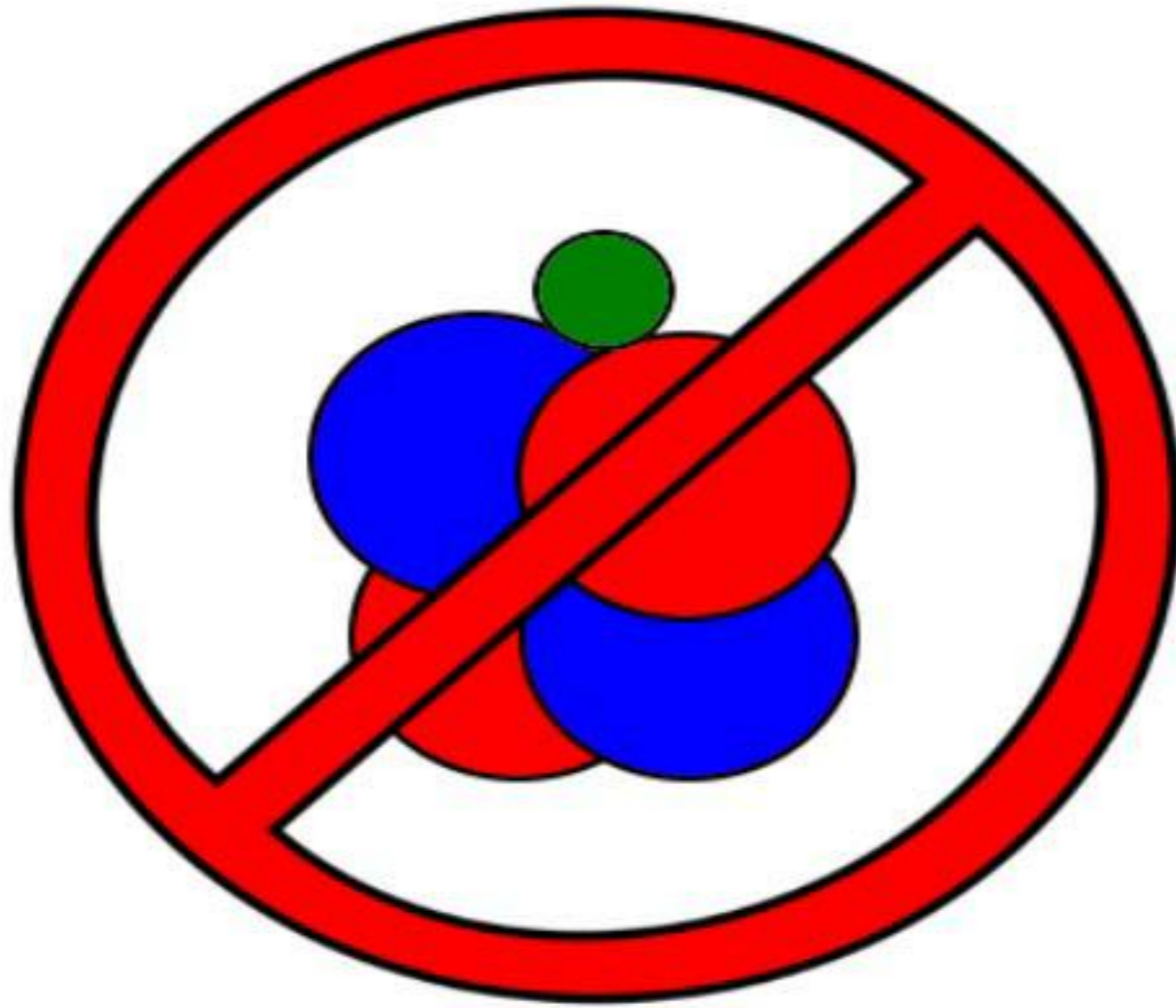
Or here



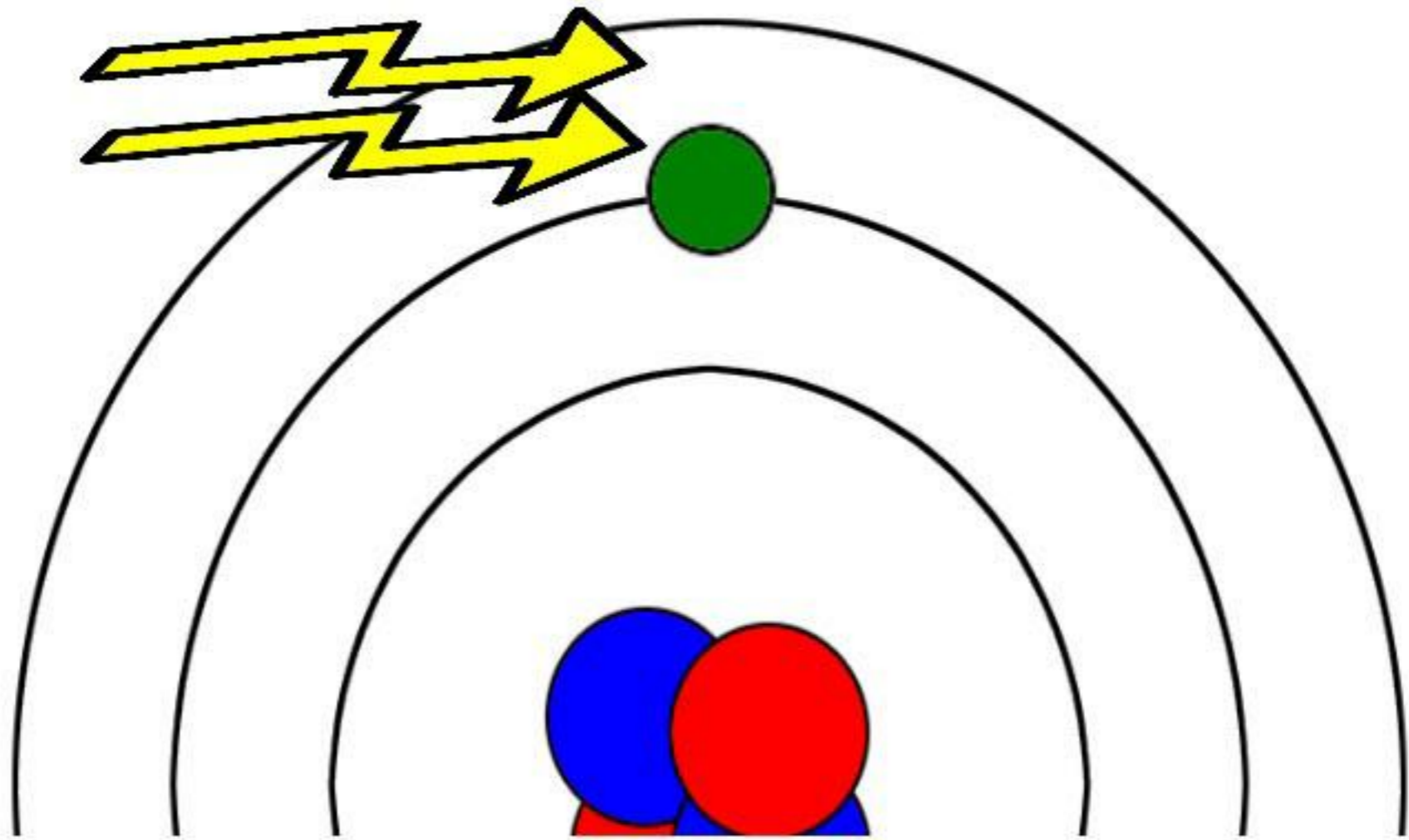
But not here



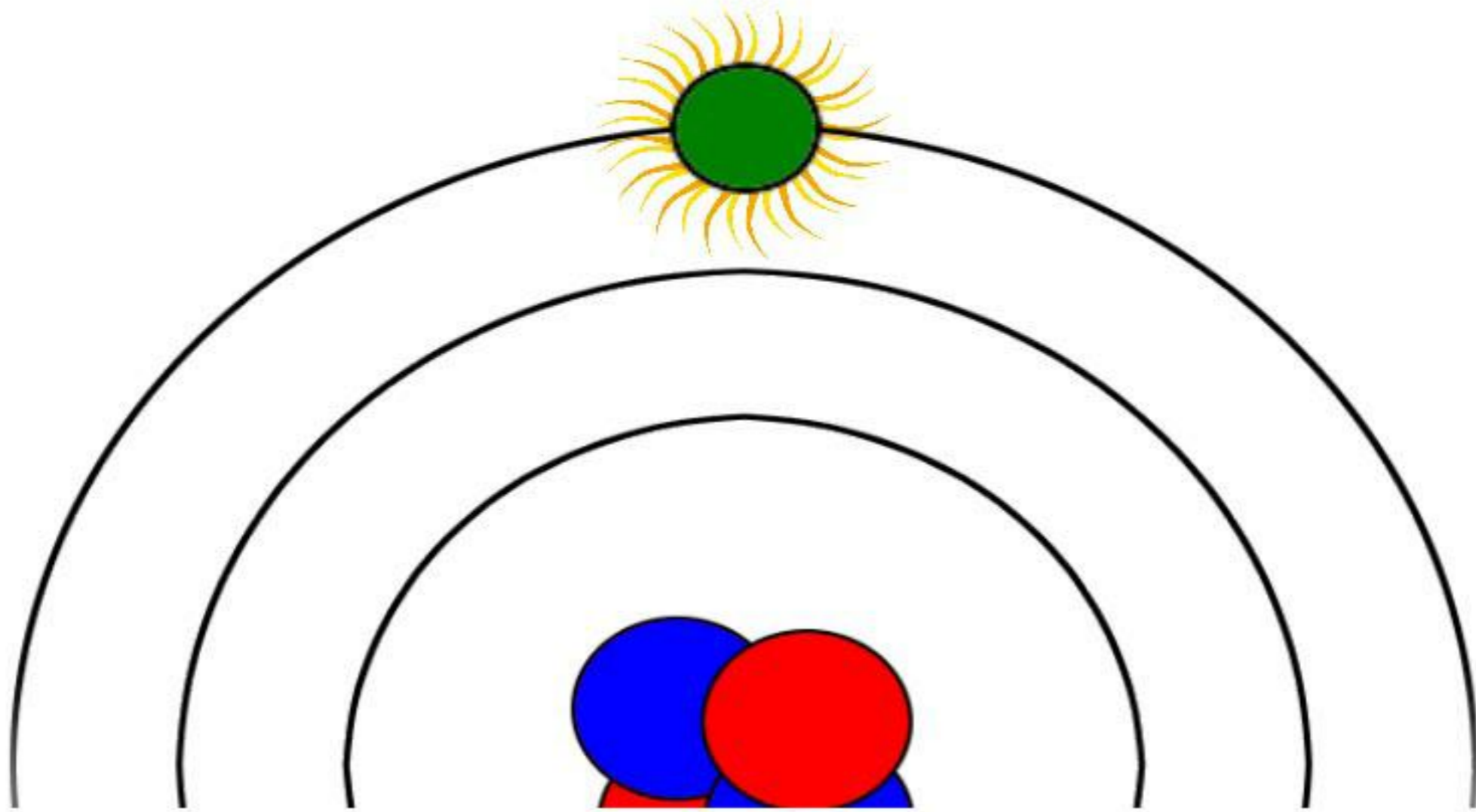
And not here



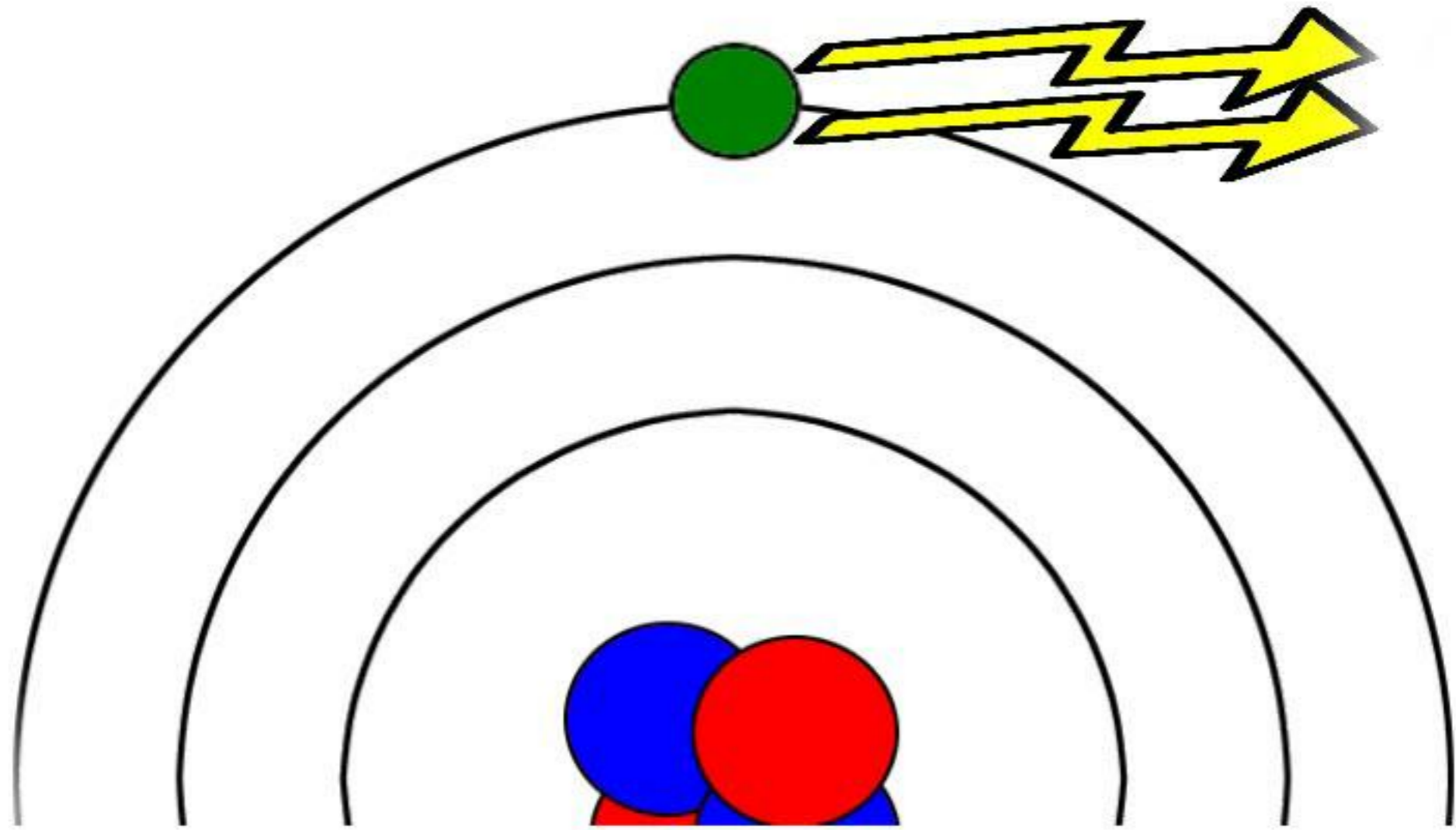
There are no electrons with zero energy



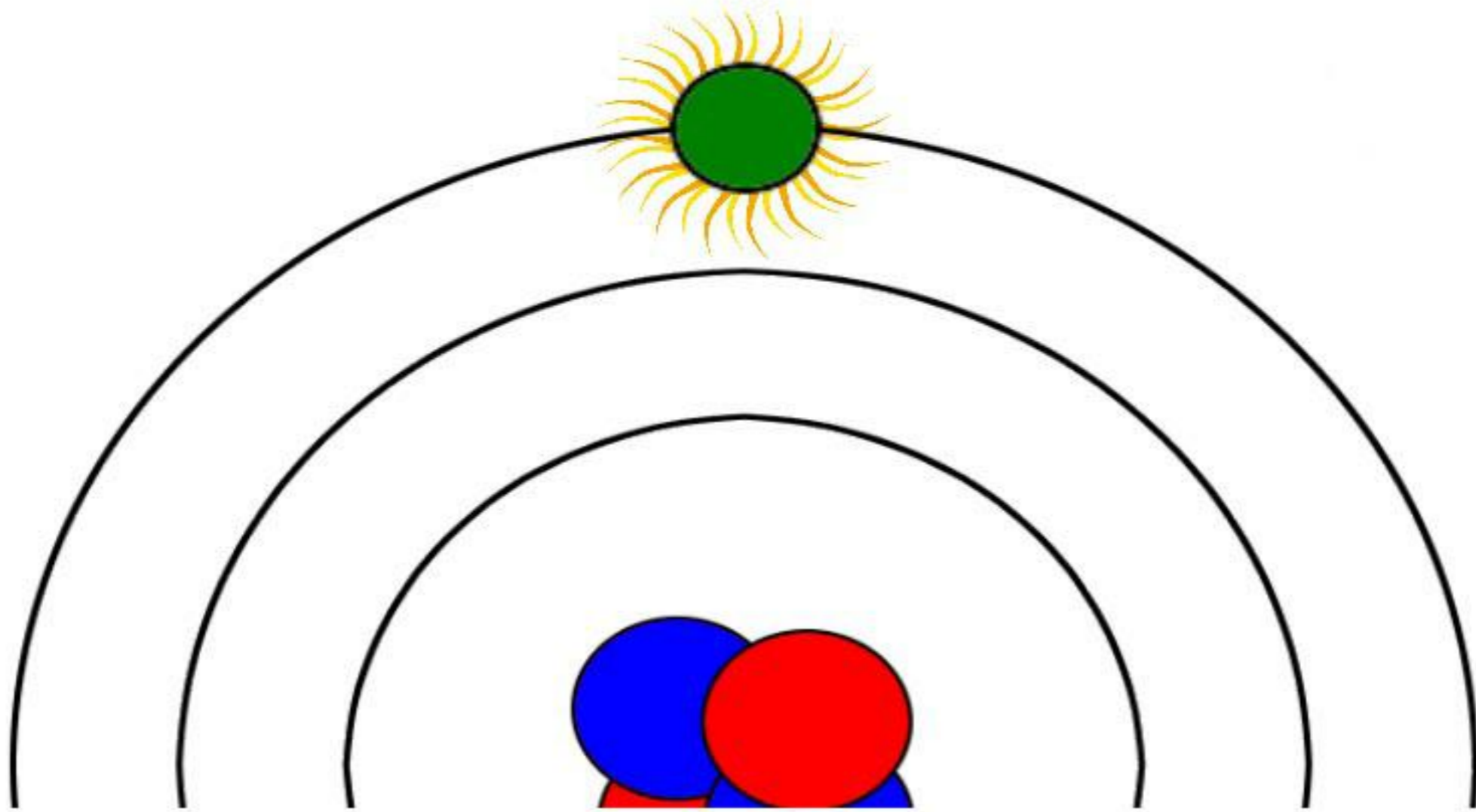
An electron can take energy



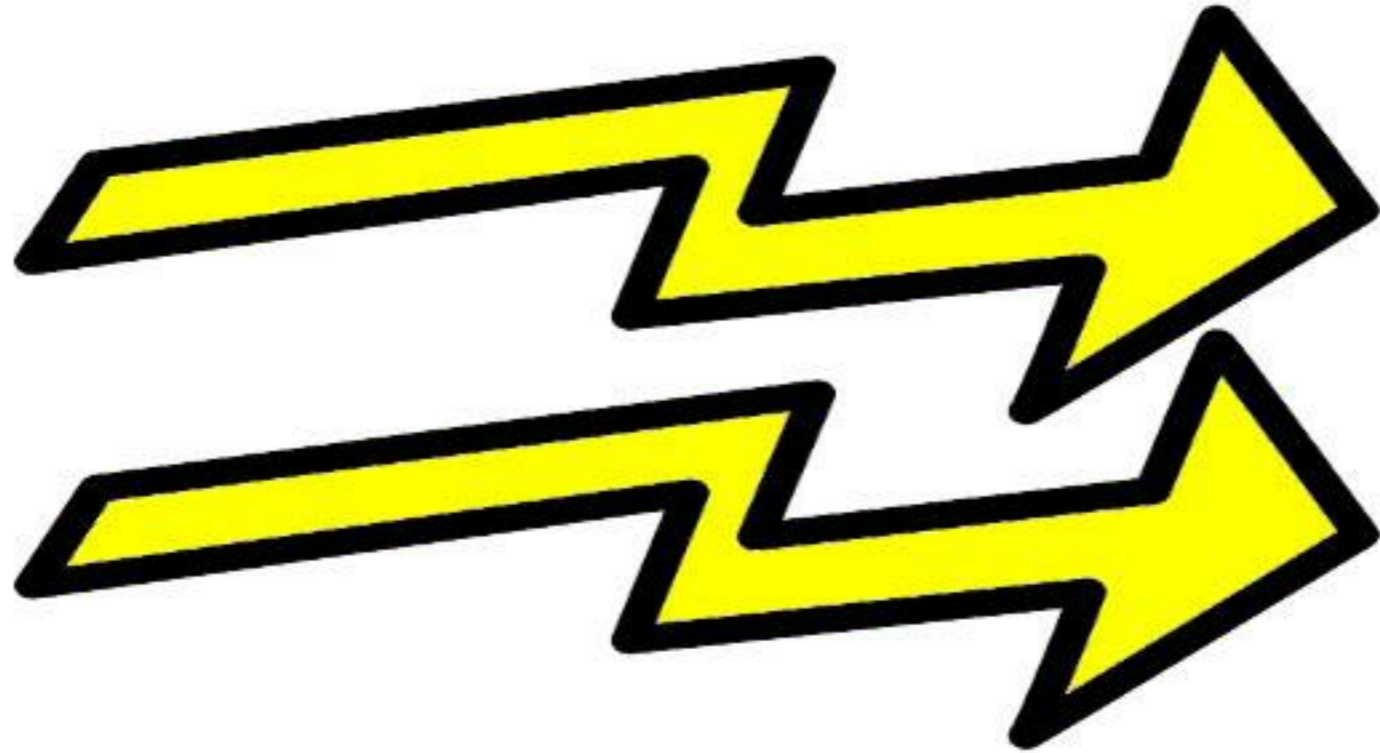
To jump up



And must give energy



To jump up



**This amount of energy
is a quanta**



**Now you are a
quantum physicist**

موقع الفريد في الفيزياء

بمئذكم أيضاً

تحميد مجموعة من كتب الفيزياء للأطفال **من هنا**

تحميد تطبيق فيزياء الكم للأطفال ، للاندرويد **من هنا**