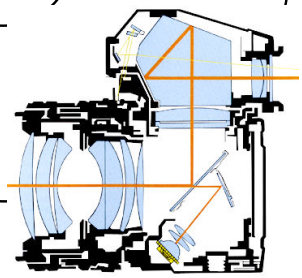
uses one or more lenses

focuses light

digital camera

uses sensor not film

camera

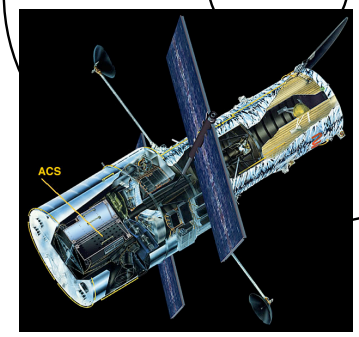


enlarges images of distant objects

tele

scope

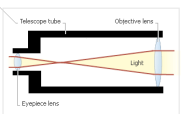
telescope



made up of two convex lenses

has an eye piece called an objective

refracting telescope



gathers light

forms a real image

focuses

objective

part closest to eye

magnifies

eyepiece

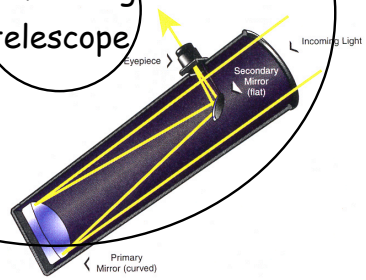
uses large concave mirror

has two mirror

gathers light

has an objective

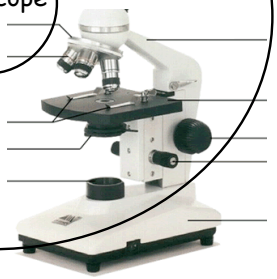
reflecting telescope



optical tool

makes small objects look large

microscope



magnifies more than a light microscope

uses beam of electrons instead of light

used by researchers

electron microscope