**Chapters 3 and 4 Light**

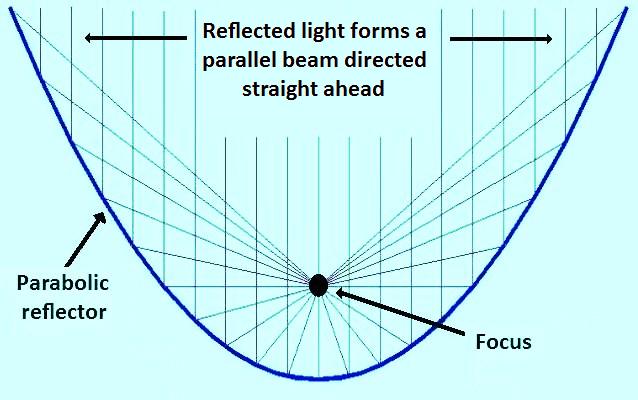
**p46-take a large bowl and line it with aluminum foil**

**-if it is a COLD cloudy day-you can use a heat lamp for reptiles that has a UV bulb in in**

**-infrared light-**



**-parabola-**



**SOLAR COOKERS!!**



**Flashlight reflectors**



**p48-use empty toilet and put construction paper on one end and wax paper on the other-construction paper get a hole-look at a light source (bulb or candle)**

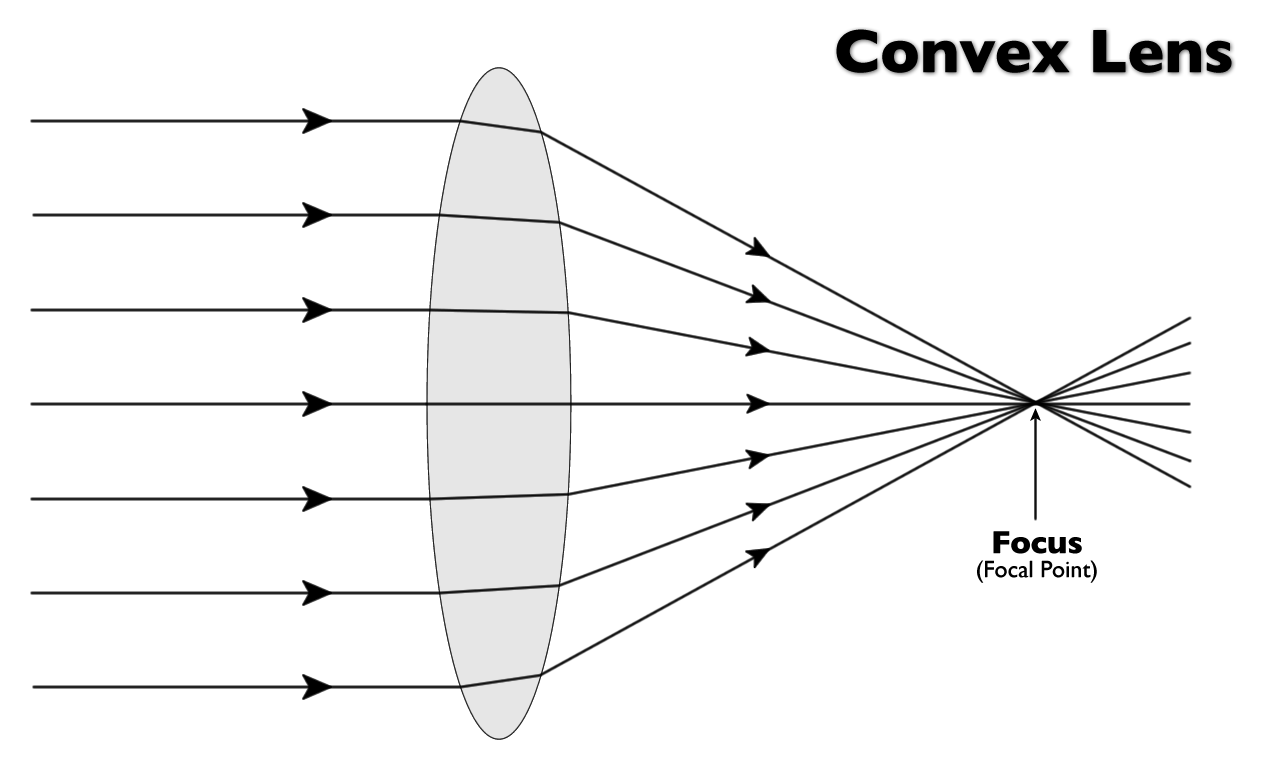


**pinhole camera**

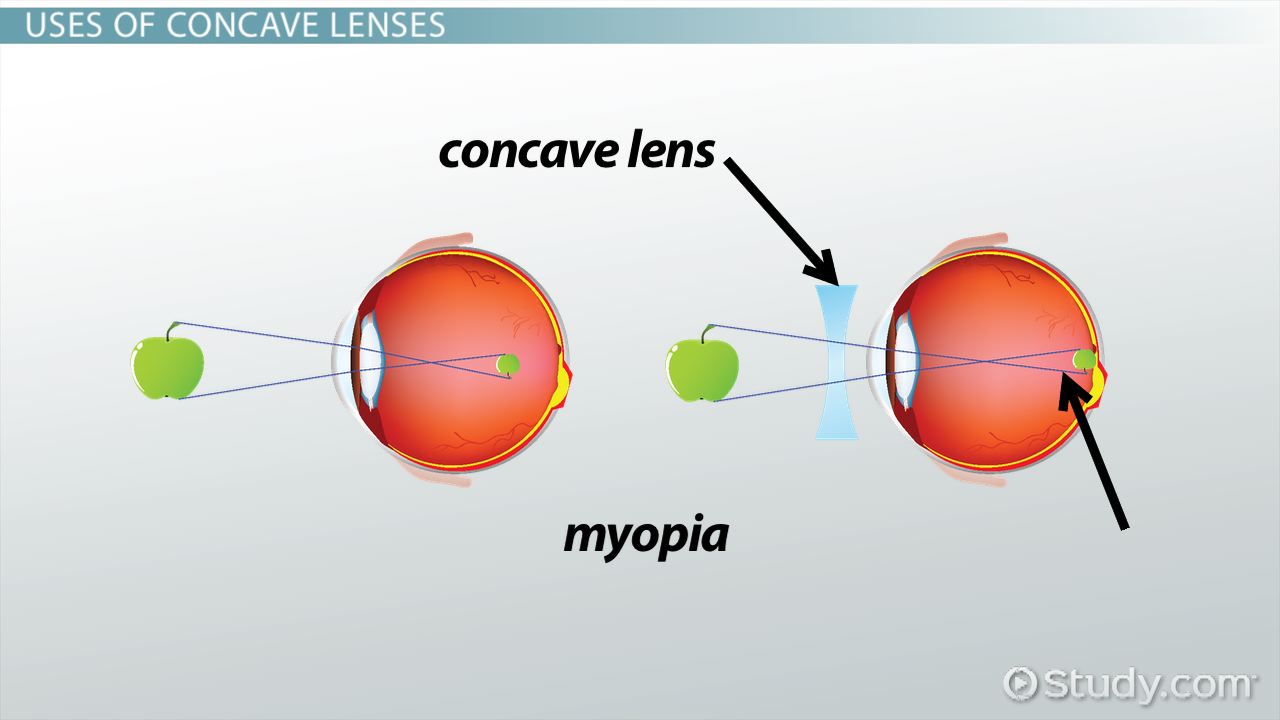
**p51-take a magnifying glass and place a light bulb on one side and white paper on the other side-move the magnifying glass to different lengths from your eye**

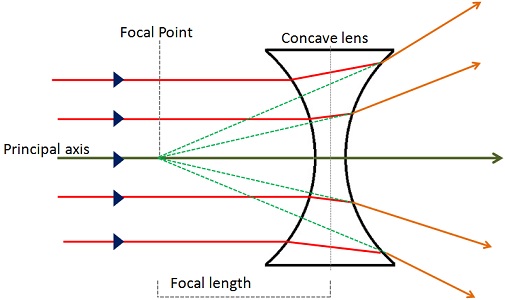
**Focal point-**

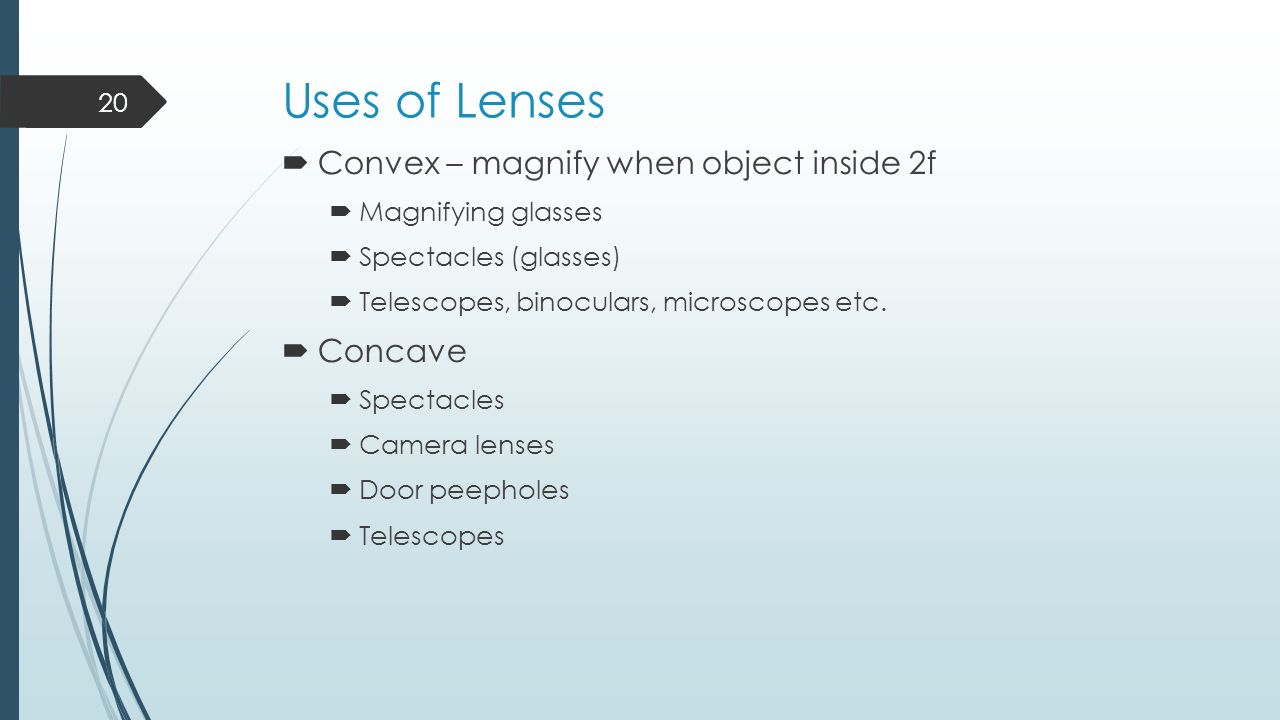
**Convex lens-**



**Concave lens**



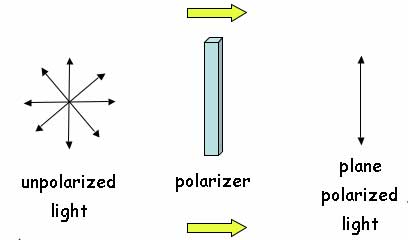




**Chapter 4**

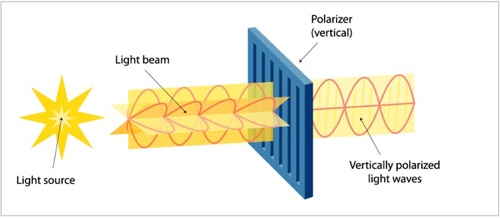
**p59-look through 1 piece of polarized light/ add a second filter while slowly rotating of the filters while the other stays stationary-try a third filter**

**unpolarized light-**



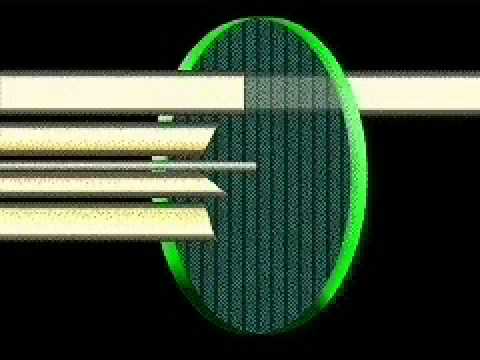
**polarized filter**

**one filter**



**Polarized light**

**Polarized light-**



**Two filters**

