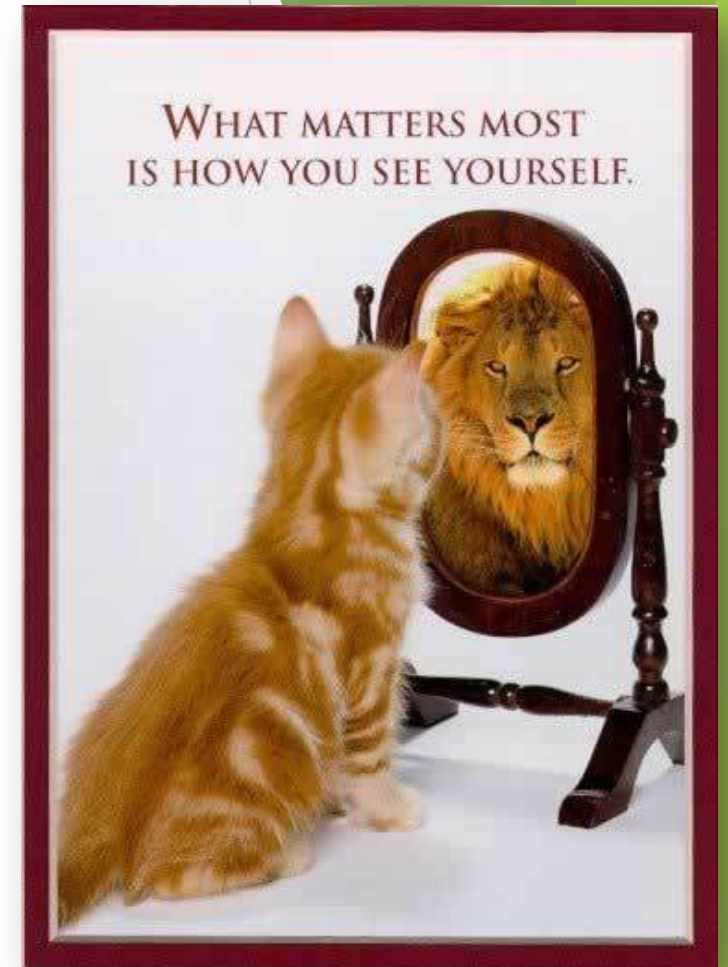
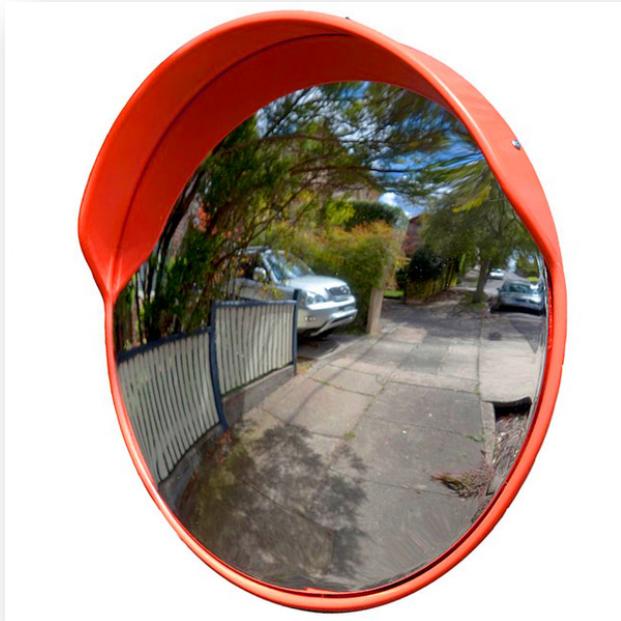


Mirrors

Mirrors can reflect light.
Therefore, we can see our image in them.



Plane Mirrors

Plane mirrors are flat.

Image appears behind the mirror.

Image is right side up

BUT

Left and right are switched.

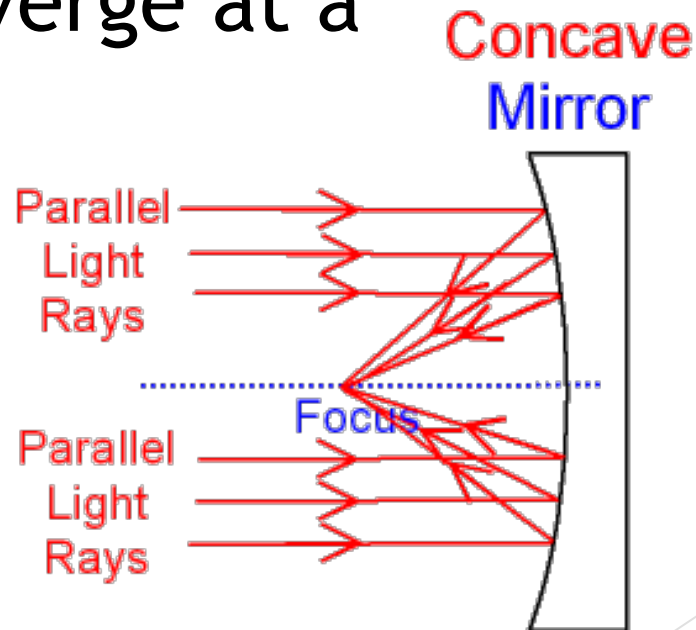


Concave Mirrors

Remember that they are concave mirrors.

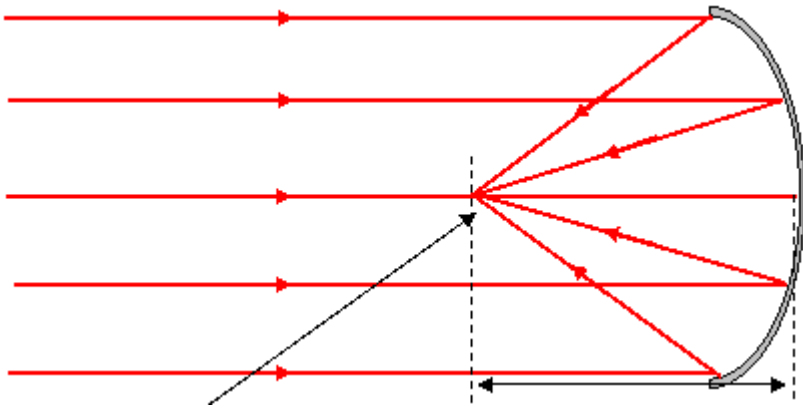
Therefore, they curve inward

Reflected light will converge at a focal point.



Concave Mirrors

If an object is...



Further away than focal point, then the image is small and inverted (upside down).



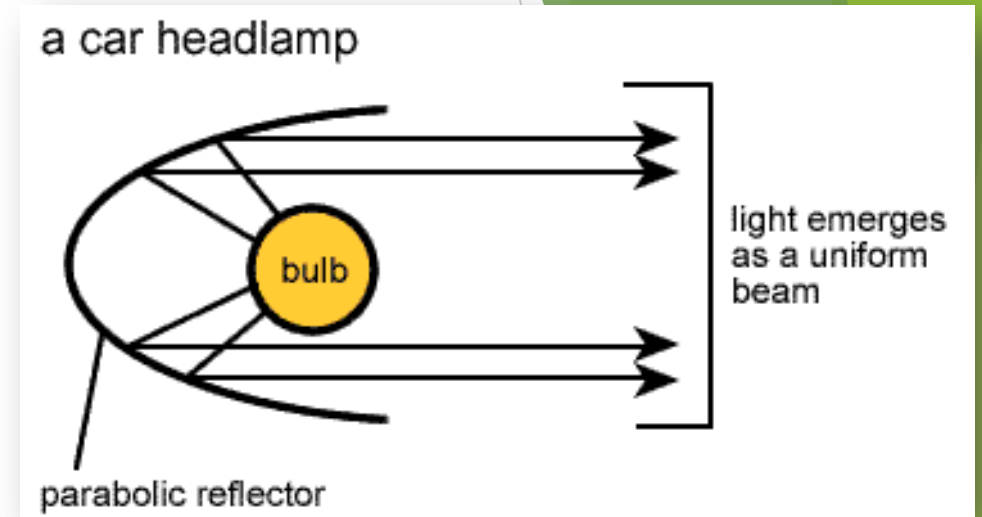
If the image is closer than the focal point, it will be larger and right side up.



Concave Mirrors

Concave mirrors are used to make headlights and spotlights.

Make up and shaving mirrors are also concave mirrors to enlarge the image.

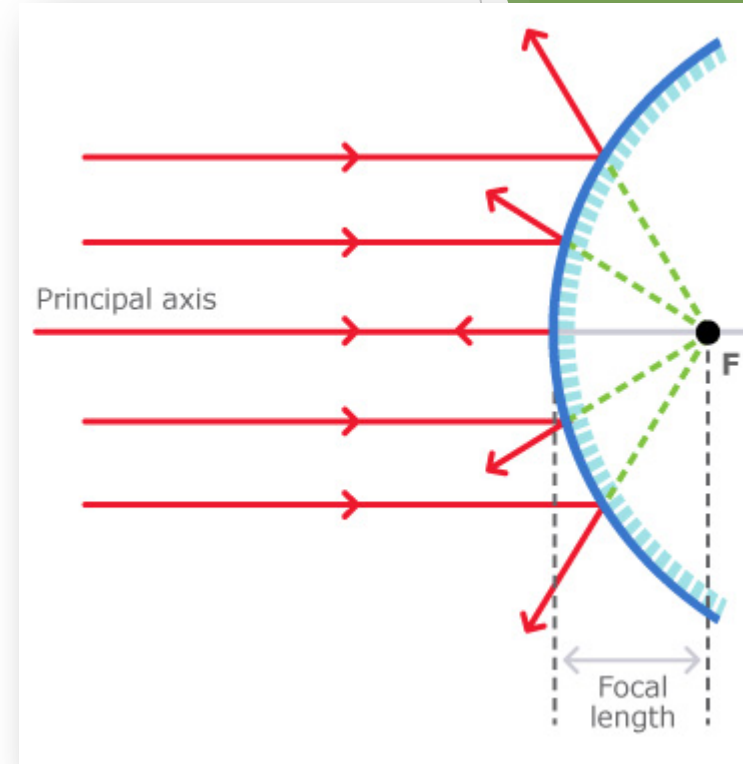


Convex Mirrors

Convex mirrors curve outwards.

Convex mirrors will reflect parallel light rays as if they came from a focal point behind the mirror.

Since the rays are spreading apart, they are called diverging rays



Convex Mirrors

Images appear smaller than they really are in convex mirrors.

However, they allow you to see a wider view than plane mirrors.

Therefore, they are used as security mirrors or side-view mirrors in cars.

