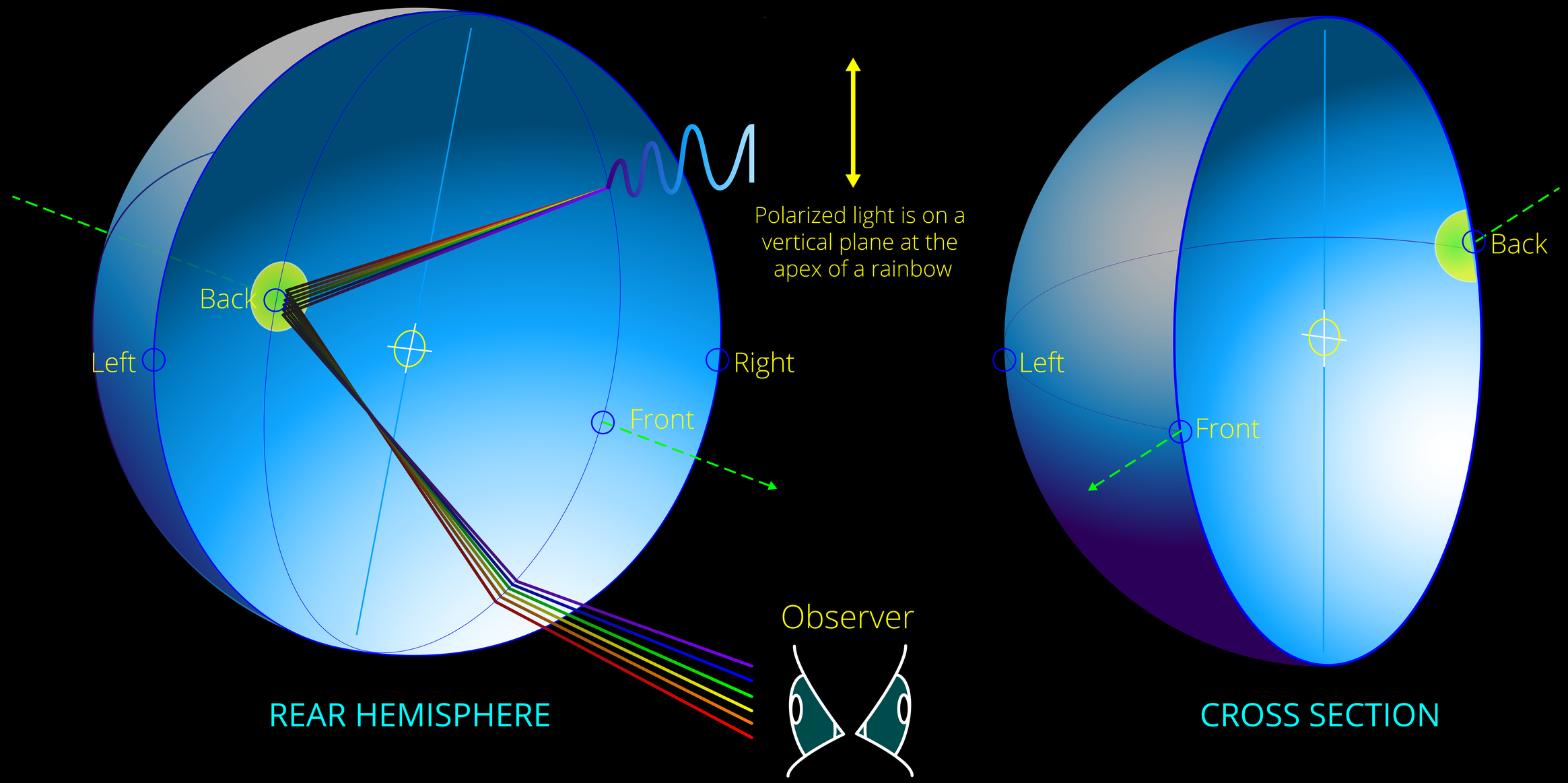
POLARIZATION OF LIGHT IN A RAINDROP

The deviated light exiting a raindrop and visible to an observer is polarized on a plane bisecting each droplet and at a tanget to the arcs of the rainbow.



The rear hemisphere of a raindrop forms a concave mirror in which an observer sees a tiny reflection of the Sun. The exact position of its image is determined by the combined effects of refraction and reflection.