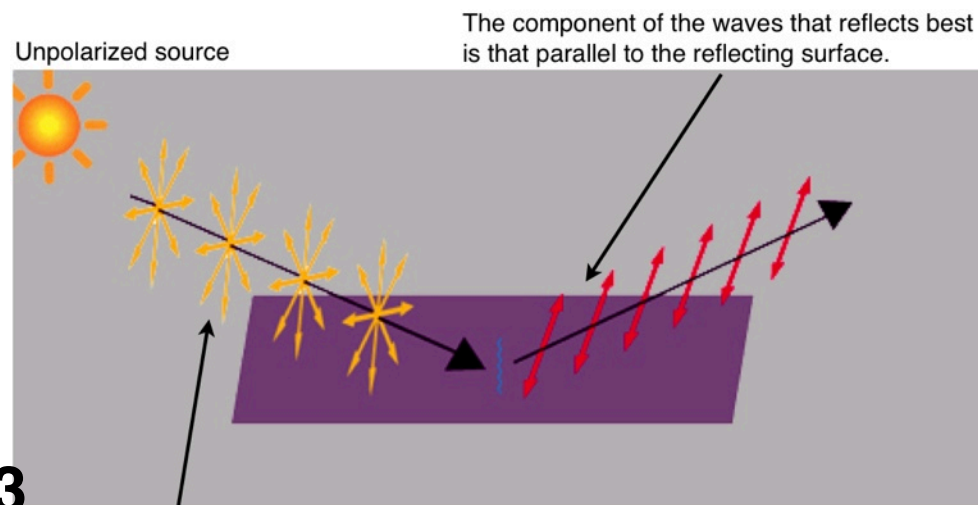
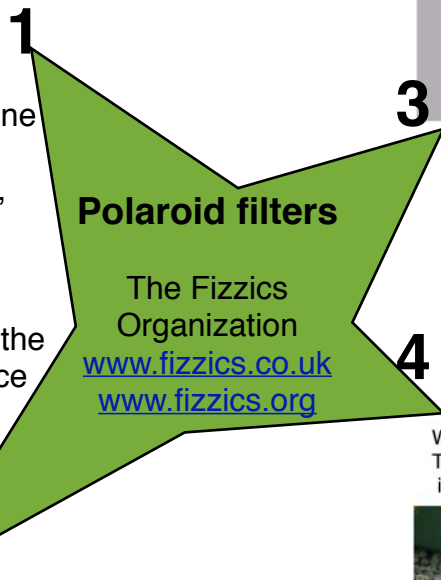




Two polaroid filters are held together so that the light passes through both. If the filters are held so that they are aligned the same way, the effect is the same as it would be for one filter.



If we then rotate one filter the light gradually darkens, with 90 degree rotation no light is passed. If we continue to rotate the light increases once more.



Unpolarized source
Unpolarized waves oscillating in all planes
Sunlight reflecting from sea, sand or snow is partly polarized.

4 If a polaroid filter is turned so that most of this directly reflected light is cut out then glare is reduced.

Without a filter
The reflection from the surface of the ice is brighter and lacks detail

With a filter, the exposure on the rough ground is the same but the bright reflection is reduced. There is more detail on the ice



The polaroid filter cuts out a lot of the reflection from the surface of the water

