Refraction through ice crystals

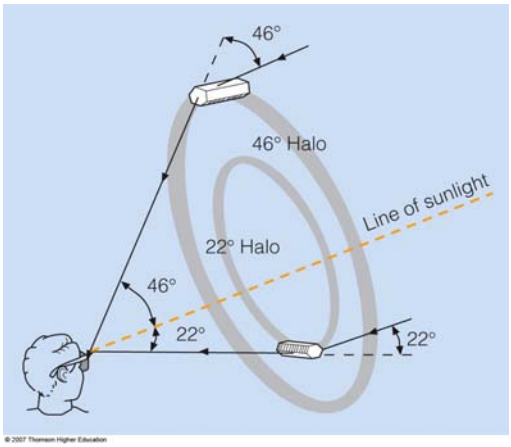


Fig. 19-19, p. 528

Fig. 19-18, p. 528

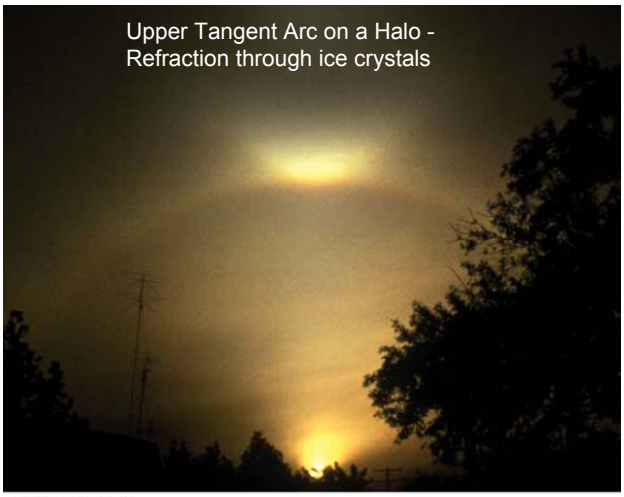
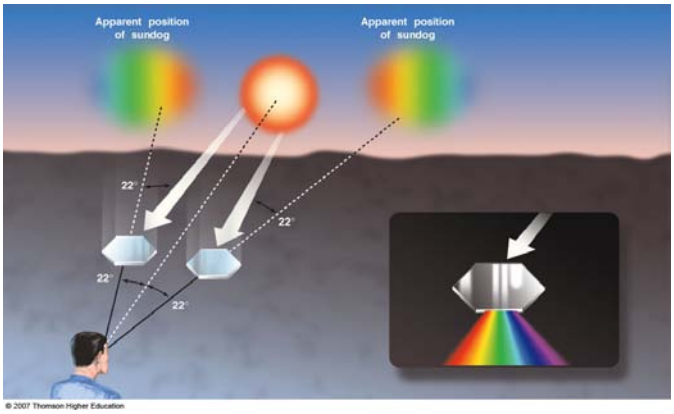


Fig. 19-20, p. 528



Breaking up of white light by refraction = dispersion

Fig. 19-22, p. 529

Fig. 19-CO, p. 516

Sun pillar - reflection of light off ice crystals

Fig. 19-23, p. 529

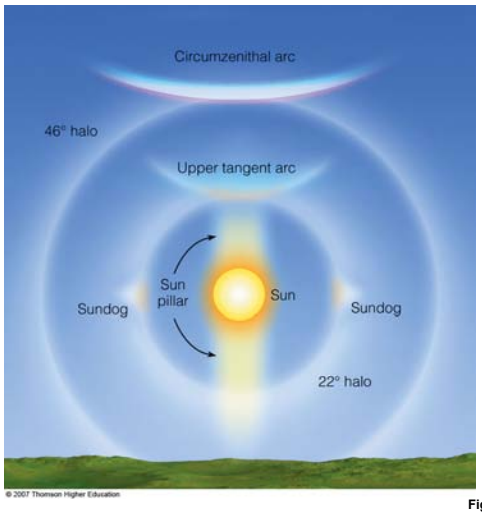
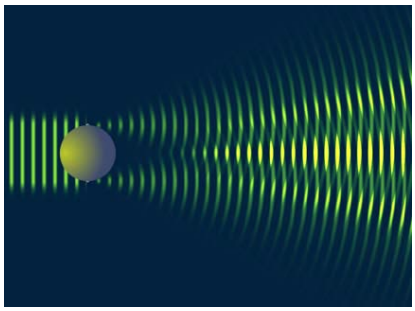


Fig. 19-25, p. 530

Diffraction -- bending of light around an object



For example, bending around a small water droplet can cause rings of light and dark down stream

Corona -- diffraction around small droplets

Corona around Sun

Cloud iridescence - diffraction by tiny droplets

Iridescent clouds Salta Province, Western Argentina *captured near sunset by Dallas Rhodes of Georgia USA. Iridescence in clouds most often occurs close to the sun. It is best seen when the sun is hidden. Here it behind the hill at right of centre.* Image ©Dallas D. Rhodes, shown with permission