

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

# Production of polarized light by scattering

TUESDAY

WK 09 DAY 058 308

FEBRUARY '24  
27

THINGS TO DO

Production of polarized light is produced

9 by scattering → when unpolarized light interacts

10 with particles in a medium causing

11 the scattered light to be partially or

12 fully polarized, particularly when observed

1 at a  $90^\circ$  angle to the incident light.

2 This phenomenon is primarily explained

3 by Rayleigh scattering, which is respon-

4 sible for the blue colour of the sky

5 and the polarization of sunlight scattered

6 through the atmosphere creating the

blue colour of the sky and partially

polarized light. example - The blue

colour of the sky is due to ~~Rayleigh~~

Rayleigh scattering of sunlight by air

Notes





FEBRUARY '24

28

WEDNESDAY

WK 09 DAY 059-307

F	M	T	W	T	F
				1	2
5	6	7	8	9	10
12	13	14	15	16	17
19	20	21	22	23	24
26	27	28	29		

THINGS TO DO

molecules, and the scattered

9 scattered blue light is ~~most~~ part

10 - all polarized when viewed at a  
11 right angle to the sun,  
12

