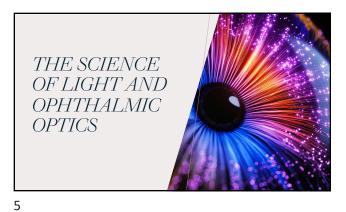
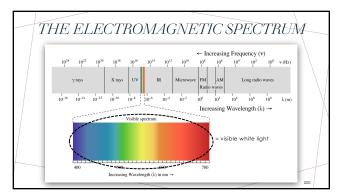


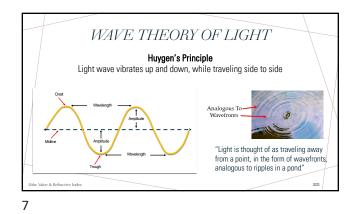
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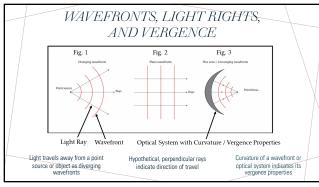




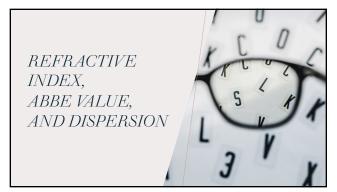


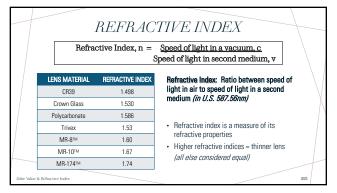






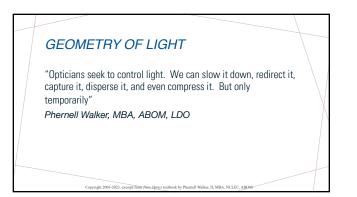


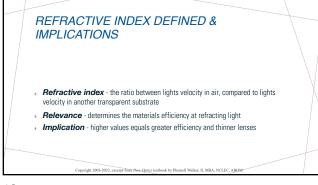




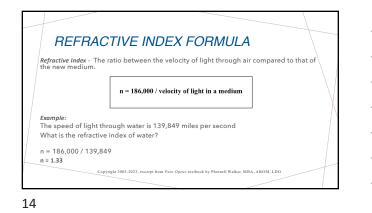
HOW THIN WILL MY LENSES BE? Curve Variation Factor CVF = (n ₁ – 1) / (n ₂ – 1) n = index of initial material na = index of compared material								
	Lens Material	Percentage Thinner Compared to CR39 (RI 1.498)						
	Trivex	6% Thinner						
	Polycarbonate	15% Thinner						
	MR-8 TM /MR-95 TM (1.60)	17% Thinner						
	MR-10 [™] (1.67)	26% Thinner						
	MR-174 TM (1.74)	33% Thinner						
Abbe Value & Refractive In	adex		2023					

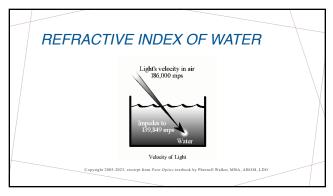
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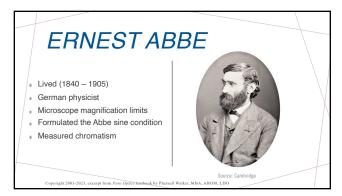


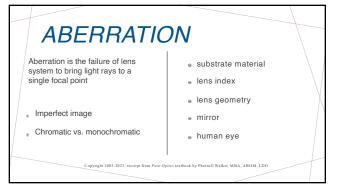


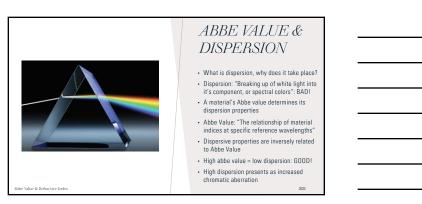


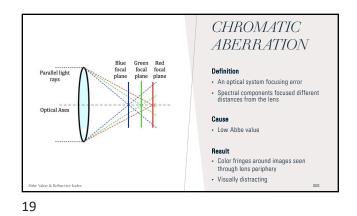


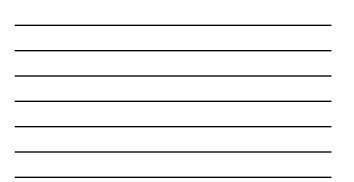


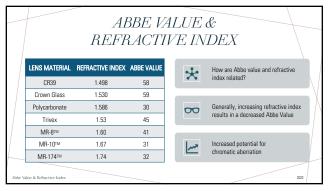


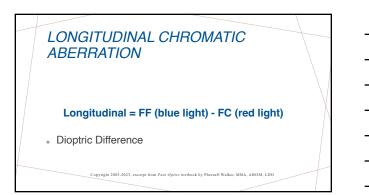


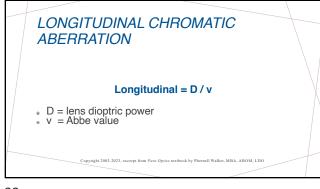


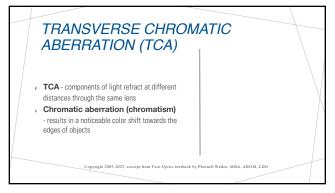


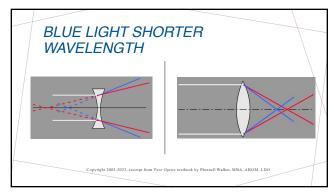


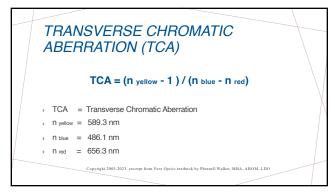


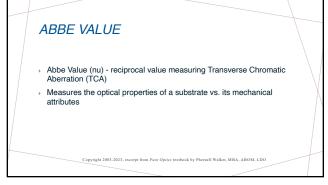


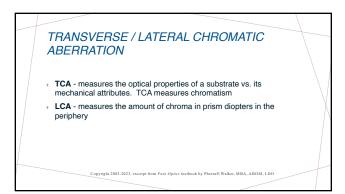


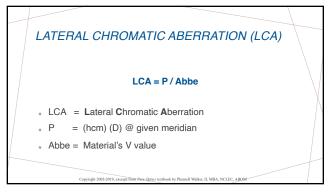




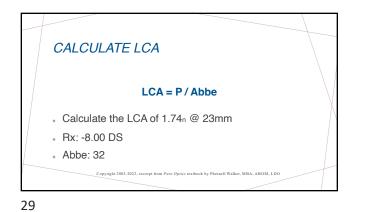


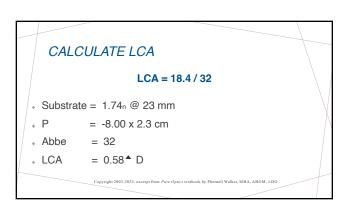


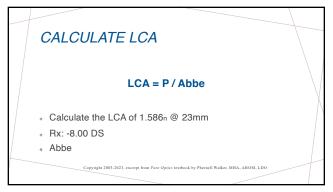


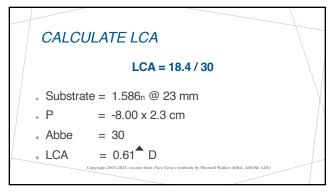




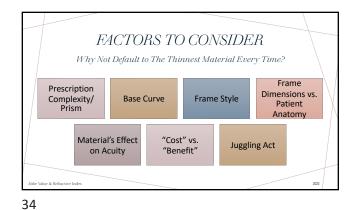






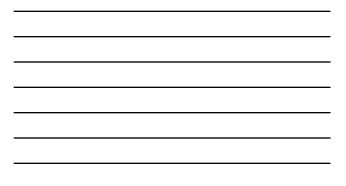




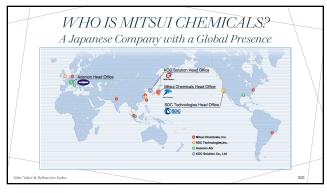




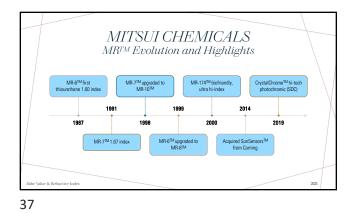
LENS MATERIAL SELECTION Power Range +2.00D to -2.00D Suggested Materials Low Index Option +/-2.25D to +/-5.00D MR-8TM (1.60) +/-5.25D and Up $MR-7^{TM}/MR-10^{TM}$ (1.67) • $MR-174^{TM}$ (1.74) Suggested Materials Purpose Industrial Safety/ Sports/ Children Polycarbonate or Trivex Monocular Patient Polycarbonate or Trivex Drill Mount/ Semi-Rimless MR-8[™] (1.60) • MR-7[™]/ MR-10[™] (1.67) MR-8[™] (1.60) • MR-7[™]/ MR-10[™] (1.67) Tinted Sunglasses Guidelines only - Frame type and size can create the need for alternat













		Premium High Index MR Materials			Alternative Materials					
-	MR-8 TM	$MR-7^{TM}$	MR-10 TM	MR-174 TM	Poly	Acrylic 1.60	CR39	Crown Glass	Trivex	
Refractive Index	1.60	1.67	1.67	1.74	1.59	1.60	1.50	1.52	1.53	$\langle \rangle$
Abbe Value	41	31	31	32	30	32	58	59	45	
Specific Gravity	1.30	1.35	1.37	1.47	1.20	1.38	1.32	2.54	1.11	
Heat Distortion Index ('C)	118	(85)	100	78	142- 148	89	<u>(55-65</u>)	>450	>266	
Tintability	Good	Exc.	Good	ок	Poor	Good	Good	Poor	Exc.	
Impact Resistance	Good	Good	Good	Good	Exc.	Poor	ОК	Bad	Exc.	/
Static Load Resistance	Good	Good	Good	ок	Good	Poor	Good	Good	Exc.	
Rimless Eyewear	Good	ОК	Good	Poor	Exc.	ок	Poor	Bad	Exc.	
UV Attenuation	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	

PREMIUM HIGH Inhanced optical performance Superior impact resistance Excellent UV protection Easy to tint Excellent scratch resistance Enhanced durability for all frame types Index-matched hard coat wate Wate & Met Wate S

