Name:	Date:
ivallie.	Date.

Eye Structure and Seeing Light—Notes Outline

Light	your eye through a	por	rtion of the	(the tough, white
outer covering of	the eye), called the	The	cornea is	, so it slightly
the li	ght as it goes through.	Light then pas	sses through the _	
a clear fluid used	for of the	e eye)		
and then through t	he			
		ا ان عام م	1	
	y a		Eyelid	She Williams
	iris is a	tnat		
	the pupil is. It		Pupil	
_	of the eye. In low light,		Sclera	The state of the s
and t	he pupil gets	; in	Iris	A STATE OF THE PARTY OF THE PAR
oright light, the iri	s and the	pupil		
gets	·			
Directly behind th	e iris is the	This is the	structure that can	change in
order to	light so that we can	see	Its shape is _	, meaning it
curves	on both sides. The _	mı	uscles above and	below the lens control
the o	f the lens.			
			D 11 1.4 1	
	Reti	na		ens is a clear gel called
Ciliary body		Choroid		·
Cornea	Vitreous humor		0 0	hrough this, then strikes
Iris	Vitreous numor		the	This is the
		Optic nerve	os -	on the inside of the
Lens		A STATE OF THE PARTY OF THE PAR		of the eye containing
Ciliary body			types	of cells sensitive to
Sclera				: and
		4 DOT Torese Notice	F	Rods sense
		17 000 100 000 000	and	and can work in
light. Cone	s sense, a	nd must have a		

Name:		Date:
kinds o	f cones: One senses wav	elengths of light, in the
range, and are called	L-cones. The second type sense the _	wavelengths of light,
mainly in the	range, and are called	The third kind, and
sense the shorter way	velengths of light, mostly in the	range.
The rods and cones s	send messages through the	, which carries the
information to the _	The sight center of your b	orain is located in the,
basically	This is why a blow	to the back of your head can result in
blindness or other vi	sion problems.	
Causes of Color	Blindness	
1:	You are born with these types. Some	times a type of cone is, or
the,	that a cone recognizes is different that	nn normal. L-cone and M-cone
problems result i	n color blindness (the	common type).
2:	These types occur after birth. For exa	ample, accidents involving the
	of the brain, or Parkinson's I	Disease can cause
problems.		