How safe are your sunglasses?

This task is about how light effects the eye and the use of sunglasses.



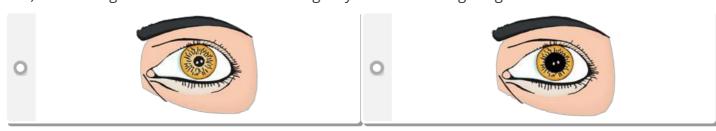
Read the information that follows and use it to answer the questions.

a) i) Which diagram shows what the eye would look like in bright light?



Explain your answer.

ii) Which diagram shows what would change if you were wearing sunglasses?



Explain your answer.

Here is some information	about choosing sunglasse	es that are safe:			
	ome sunlight from reaching s also stop ultraviolet light				
sunglasses that do not filtethe information in the	er out UV light. Explain wh	y scientists would say	its say it is dangerous to wear this about sunglasses, using:		
How can you tell which su	unglasses are safe?				
 It is possible to test th There is a "safety star Australia, sunglasses protection they give." sunglasses do not have 	ne amount of UV that can and and that that sets the amount	nt of UV it is safe for so with a number from 0 t the most UV protectio	unglasses to let in. In o 4 showing how much UV n is 4. In New Zealand,		
c) Who would be the best people to test and check sunglasses to see if they are safe?					
the people who wear them	the people who sell them	technicians in testing laboratori	scientists who investigate eye safety		
Explain your answer.					

d) Who are the best peop	le to set the safety standa	rd for sunglasses?	
the people who wear them	the people who sell them	technicians in testing laboratories	scientists who investigate eye safety
Explain your answer.			
They are do over a long period of time	esigned to be worn in plac e. These glasses cut out mu	have a safety sticker that l es where people are at ris uch more light than ordina damaged so badly that the	k of getting too much UV ry sunglasses. If the
e) What do you think the	safety sticker means?		
f) Why would glasses that	cut out a lot of light need	a sticker like this?	
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