A: (Coloured Light.			
	O	a mixture of the colours	,,	
			, and	
Why ——	y does a green object ap	opear green?		
Why does a white object appear white?				
Why	y does a black object ap	ppear black?		
Vhy	y do cricketers, who tra	ditionally play in summ	er, wear white-coloured clothing?	
	in the following graphs urs of white light reflected by a red	Colours of white light reflected by a	Colours of white light reflected by a White object	
	object	dark red object	100 90	
		80	80	
		70 60	60	
		50 40	40	
		20	20	
		10	10	
Red O	Orange Yellow Green Blue Indigo Violet Colour of Light	Red Orange Yellow Green Blue Indi Colour of Light	o Violet Red Orange Yellow Green Blue Indigo Violet Colour of Light	
Colour	rs of white light reflected by a very light green object	Colours of white light reflected by a grey object		
		90		
		70		
		50		
		30		
		20 10 0		
Red O	Orange Yellow Green Blue Indigo Violet Colour of Light	Red Orange Yellow Green Blue Indi Colour of Light	o Violet	
<u> </u>	cribe what a green filter	r does.		
Desc				
	y does a green piece of	paper appear black whe	n red light is shining onto it?	
	y does a green piece of	paper appear black whe	n red light is shining onto it?	
Why			n red light is shining onto it?	
Why B: M	Mixing Coloured Light	t		
Why B: M	Mixing Coloured Light three primary colours	t s of light are	_,, and	
Why 3: M Γhe Red	Mixing Coloured Light three primary colours light + Green light (of	t s of light are equal strength) =	_,, and light.	
Why B: M The Red Red	Mixing Coloured Light three primary colours light + Green light (of light + less intense Gre	t s of light are equal strength) = een light =	_,, and light. light.	
Why B: M The Red Red Blue	Mixing Coloured Light three primary colours light + Green light (of light + less intense Green light and Green light =	t s of light are equal strength) = een light = =1		
Why B: M The Red Red Blue	Mixing Coloured Light three primary colours light + Green light (of light + less intense Green light and Green light =	t s of light are equal strength) = een light =		



13.	. How does an LCD TV screen produce white?				
16.	How do	How does an LCD TV screen produce yellow?			
17.	The thr	ing Paints and Inks ee traditional primary colours why mixing red and yellow p	s of paint are,, and aint produce orange paint.		
19.	What a	re the four "process" colours?			
20.	Why ar	e the process colours used in p	rinting instead of red, yellow and blue?		
рт	 D. Cold	oured Light and Vision			
	Moving		Moving electricity produces ving electron can produce an ef		
	wave, v		wave, which then produces an and so on.		
		e Visible-Light Spectrum Approximate Wavelength range in nanometres (nm) (1 nanometre = 1 billionth of a metre)	23. Light is an electromagnetic wave. What range of wavelengths are perceived as red light and what range of wavelengths are perceived as green light?		
yel	ange llow	750 – 610 610 - 590 590 - 570 570 - 500			
ind	een ne and ligo olet	500 - 450 450 - 400	24. What are cone cells and why do we have three types?		
25.	What a	re rod cells? What is their disac	dvantage and what is their advantage over cone cells?		
26.	A perso	on with red-green colour blindr	ness is looking at a rainbow. How do they perceive it?		
		umana primatas (garillas ara	ng-utans, monkeys etc), marsupials, and reptiles are		

