

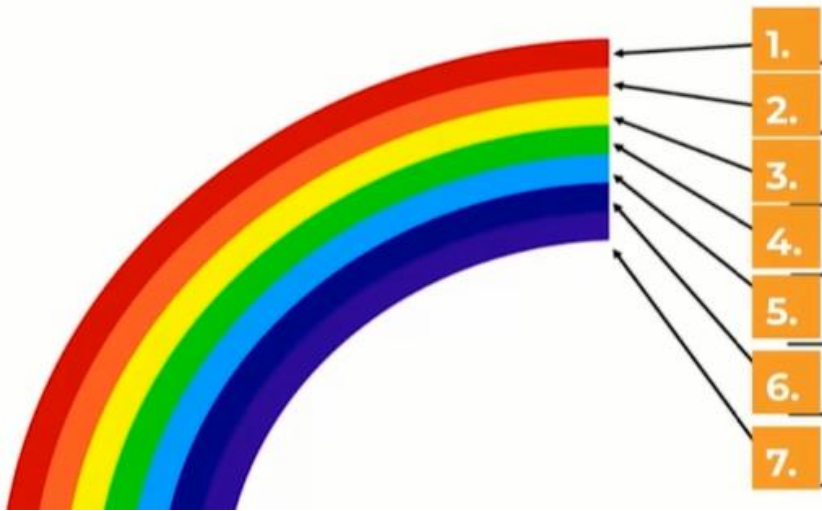
LC: Can I explain where colours come from?

<https://classroom.thenational.academy/lessons/where-do-different-colours-come-from-6dhp4t>

Watch the online lesson video. The following questions will be answered during the video. Make a note of the answers either in your pink books or save them on this document to submit to me on google classroom. If you have a transparent glass of water and an old CD you can have a go at the activity. If not, then the video shows an example for you to watch.

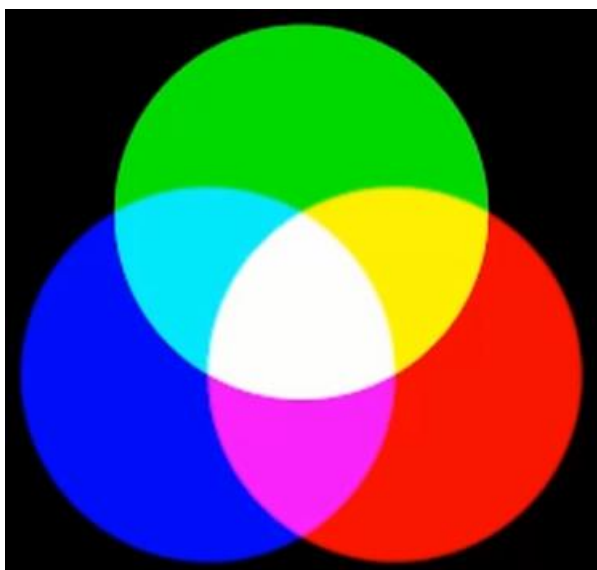
Activity 1: The colours

Write the order of colours as they appear in a rainbow.





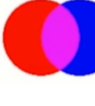
1	
2	
3	
4	
5	
6	
7	

What did Isaac Newton discover about white light?



Activity 2: Primary and Secondary Colours of Light

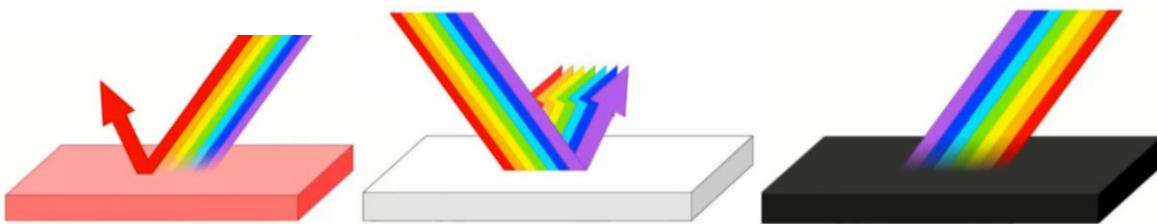
What colour do we get when we mix these coloured lights? (Remember that it is different to mixing paints.)

 Red and Green	
 Green and Blue	
 Red and Blue	

Activity 3: How we see colours

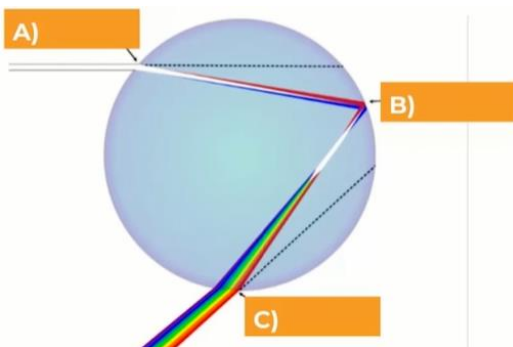
Remember to use the terms 'reflect' and 'absorb' in your answers.

1. What happens to white light when it hits a red object?
2. What happens to white light when it hits a green object?
3. What happens to white light when it hits a white object?
4. What happens to white light when it hits a black object?



Activity 4: How is a rainbow made?

Add the labels to the diagram. Then write a sentence to explain what happens at each point.



A	
B	
C	

When the light hits point A, it

Challenge: Create your own rainbow.

Follow the instructions in the video clip to create a rainbow. Why not take a picture and submit it on google classroom to show what you did.