

## **Behaviour of Light**

Define the following terms - page 288-289

Ray	
Reflection	
Absorption	
Transmission	
Transparent	
Translucent	
Opaque	

### **Answer the following questions - page 290-291**

1. Why is a tomato red under white light? (First paragraph)
2. What colour is a tomato under blue light? (second paragraph)
3. Why does blue cellophane look blue? (fourth paragraph)

### **Answer the following questions - page 296**

1. How many types of cells in our eyes that are sensitive to colour?
2. Why can we see lots of colours?
3. What are primary colours?

**Answer the following questions - page 297**

1. What do you need for additive primary colours (additive colour theory)?
2. What are the primary colours?
3. How are the three secondary colours created - write their formulas

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4. What happens when all three primary colours are added together?

**Answer the following questions - page 298**

1. What is meant by colour being subtracted?
2. What are the primary colours?
3. What colours can we get when we subtract from white light?
4. How are the three secondary colours created - write their formulas

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5. What is similar between the additive and subtractive colours?
6. What happens when all three primary colours are added together and subtracted from white light?