THE HUMAN EYE AND THE COLOURFUL WORLD

CLASS-X SCIENCE MODULE-4/4

WOKSHEET

1. Why is the colour of the clear sky blue?
2. Why is red colour selected for danger signal lights?
3. What will be the colour of the sky, when it is observed from a place in the absence of any atmosphere? Why?
4. What is Tyndall effect?
5. Give an example of a phenomenon where Tyndall effect can be observed.
6. Name the atmospheric phenomenon due to which the sun can be seen above the horizon about two minutes before actual sunrise.
7. A star appears slightly higher (above) than its actual position in the sky. Illustrate it with the help of a labelled diagram.
8. Which phenomenon is responsible for making the path of light visible?
9. The sky appears dark instead of blue to an astronaut. State its reason.
10. Why does the sun appear reddish at sunrise?
11. A star sometimes appears brighter and some other times fainter. What is this effect called? State the reason for this effect.
12. What is the colour of the clear sky during day time? Give reason for it.
13. Name the atmospheric phenomenon due to which the sun can be seen above the horizon about two minutes before actual sunrise.
14. A star sometimes appears brighter and some other times fainter. What is this effect called? State the reason for this effect.
15. "The time difference between the actual sunset and the apparent sunset is about 2 minutes "
    What is the reason for the same? Explain with the help of a diagram.
16. Explain why the planets not twinkle but the stars twinkle.