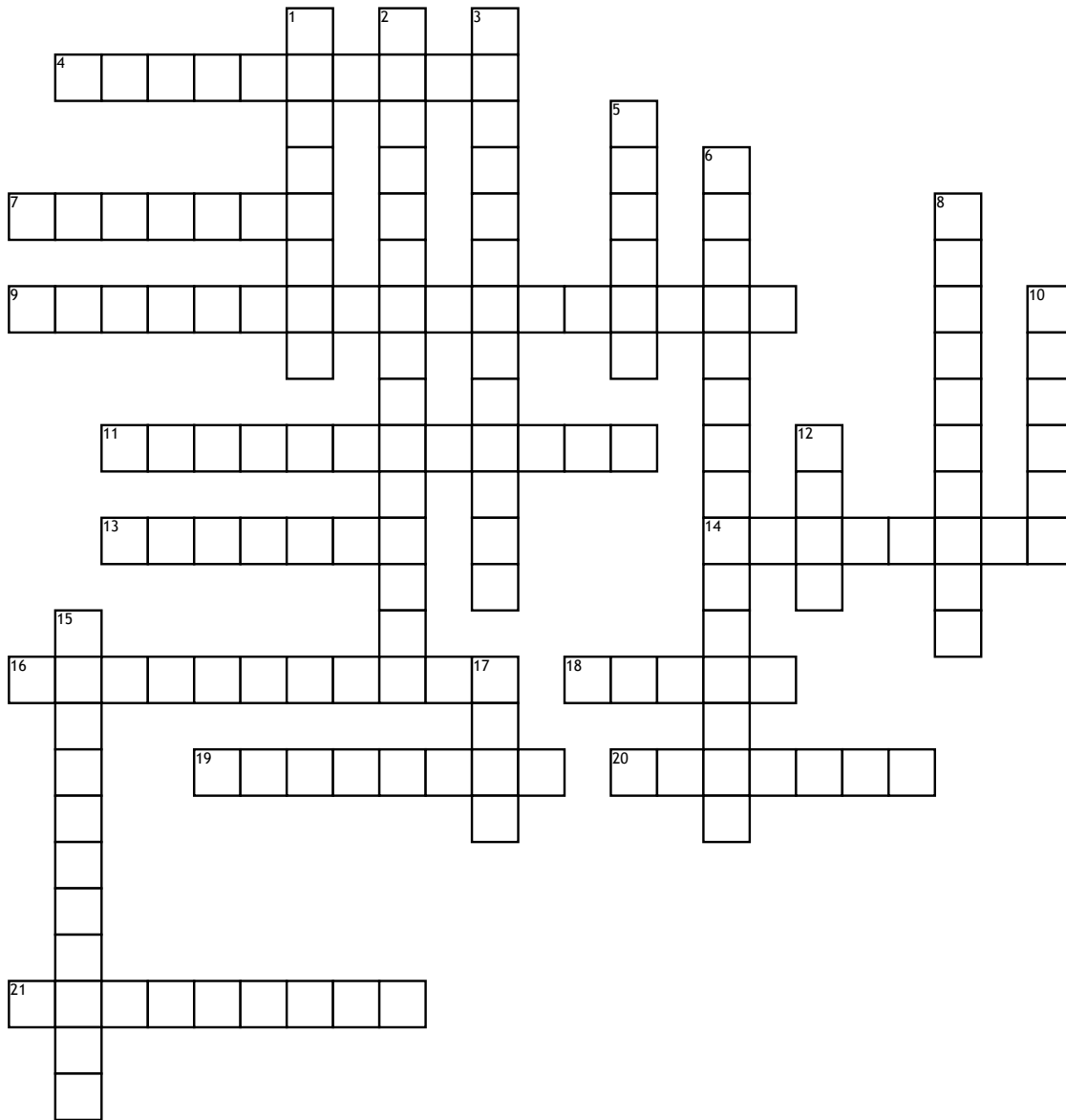


# Introduction to Light Unit - Terminology



## Across

4. The taking in of light by an object  
 7. Chemical which absorbs some colours of light and reflects other colours of light  
 9. The production of light from a reaction between two chemicals  
 11. The production of visible light by an object that has absorbed invisible radiation, converting UV light to visible light  
 13. \_\_\_\_\_ light is any electromagnetic wave that the human eye can see  
 14. \_\_\_\_\_ colour theory - combining the three primary colours produces white light  
 16. Transmitting and scattering light so that objects on the other side are partially visible

18. Less sensitive to light, used to detect colours  
 19. \_\_\_\_\_ refers to anything that produces and emits light  
 20. \_\_\_\_\_ colours of light (red, blue and green) that combine to produce all other colours  
 21. \_\_\_\_\_ colours of light produced by combining two primary colours (yellow, cyan, magenta)  
**Down**  
 1. Visible \_\_\_\_\_ is the continuous sequence of colours that make up white light  
 2. The production of light from a chemical reaction within an organism - a form of chemiluminescence  
 3. The production of light energy when an object is heated to a high temperature

5. Coloured \_\_\_\_\_ is a transparent material that contains pigment  
 6. \_\_\_\_\_ wave is energy in the form of wave, associated with electric and magnetic fields  
 8. The bouncing back of light from an object  
 10. Absorbing or reflecting all light so that objects on the other side are not visible  
 12. Detect low levels of light, used for night vision  
 15. Transmitting light so that objects on other side are clearly visible  
 17. \_\_\_\_\_ colour is the apparent colour of an object in white light