

Success Criteria Rubric				
	Not Yet Meets expectations	Minimally Meets Expectations	Fully Meets Expectations	Exceeds Expectations
<b>C1 demonstrate knowledge of the behaviour of waves</b>	<ul style="list-style-type: none"> <li>Several errors in describing the characteristics of waves</li> <li>Several misconceptions demonstrating wavelength, frequency, and amplitude</li> </ul>	<ul style="list-style-type: none"> <li>Some errors in describing the characteristics of waves</li> <li>Some misconceptions demonstrating wavelength, frequency, and amplitude</li> </ul>	<ul style="list-style-type: none"> <li>Describe the characteristics of waves, using examples and sketches</li> <li>Demonstrate wavelength, frequency, and amplitude, with corresponding explanations</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate application of the knowledge of waves</li> </ul>
<b>C2 explain the properties of visible light</b>	<ul style="list-style-type: none"> <li>Several errors in describing properties of white light</li> <li>Several errors in showing how light is transmitted and absorbed by different materials</li> <li>Several errors in demonstrating how visible light is reflected</li> <li>Several errors in demonstrating how visible light is refracted when passing from one medium to another</li> </ul>	<ul style="list-style-type: none"> <li>Some errors in describing properties of white light</li> <li>Some errors in showing how light is transmitted and absorbed by different materials</li> <li>Some errors in demonstrating how visible light is reflected</li> <li>Some errors in demonstrating how visible light is refracted when passing from one medium to another</li> </ul>	<ul style="list-style-type: none"> <li>Describe properties of white light (prism to demonstrate spectrum of colour, and ray model of light)</li> <li>Show how light is transmitted and absorbed by different materials (opaque, translucent, transparent)</li> <li>Demonstrate how visible light is reflected (e.g., relate angle of incidence and angle of reflection for curved and plane mirrors)</li> <li>Demonstrate how visible light is refracted when passing from one medium to another (e.g., bending of rays, changes of speed)</li> </ul>	<ul style="list-style-type: none"> <li>Provided appropriate examples where necessary</li> <li>Evidence of extending thinking to synthesize information from the course material</li> <li>Provides evidence for explanations</li> <li>Accurate and appropriate diagrams drawn to further explanations</li> </ul>
<b>C3 compare visible light to other types of electromagnetic radiation</b>	<ul style="list-style-type: none"> <li>Several errors in differentiating radio waves, microwaves, infrared, visible light, ultraviolet, X-rays, and gamma rays in terms of wavelength, frequency, and energy transferred</li> <li>Several errors in relating different types of electromagnetic radiation to their daily lives</li> </ul>	<ul style="list-style-type: none"> <li>Some errors in differentiating radio waves, microwaves, infrared, visible light, ultraviolet, X-rays, and gamma rays in terms of wavelength, frequency, and energy transferred</li> <li>Some errors in relating different types of electromagnetic radiation to their daily lives</li> </ul>	<ul style="list-style-type: none"> <li>Differentiate radio waves, microwaves, infrared, visible light, ultraviolet, X-rays, and gamma rays in terms of wavelength, frequency, and energy transferred</li> <li>Relate different types of electromagnetic radiation to their daily lives</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates ability to compare and contrast a variety of electromagnetic radiation with ease</li> </ul>
<b>Vocabulary</b>	<ul style="list-style-type: none"> <li>Several errors in using the required vocabulary words</li> </ul>	<ul style="list-style-type: none"> <li>Some errors in using the required vocabulary words</li> </ul>	<ul style="list-style-type: none"> <li>Appropriately uses the words amplitude, angle of incidence, angle of reflection, angle of refraction, concave, rest, electromagnetic radiation, frequency, opaque, translucent, transparent, refraction, trough, wavelength</li> </ul>	<ul style="list-style-type: none"> <li>Appropriately draws connections between the vocabulary words and incorporates them consistently throughout the assessment</li> </ul>

Comments: