## WODSS SCIENCE

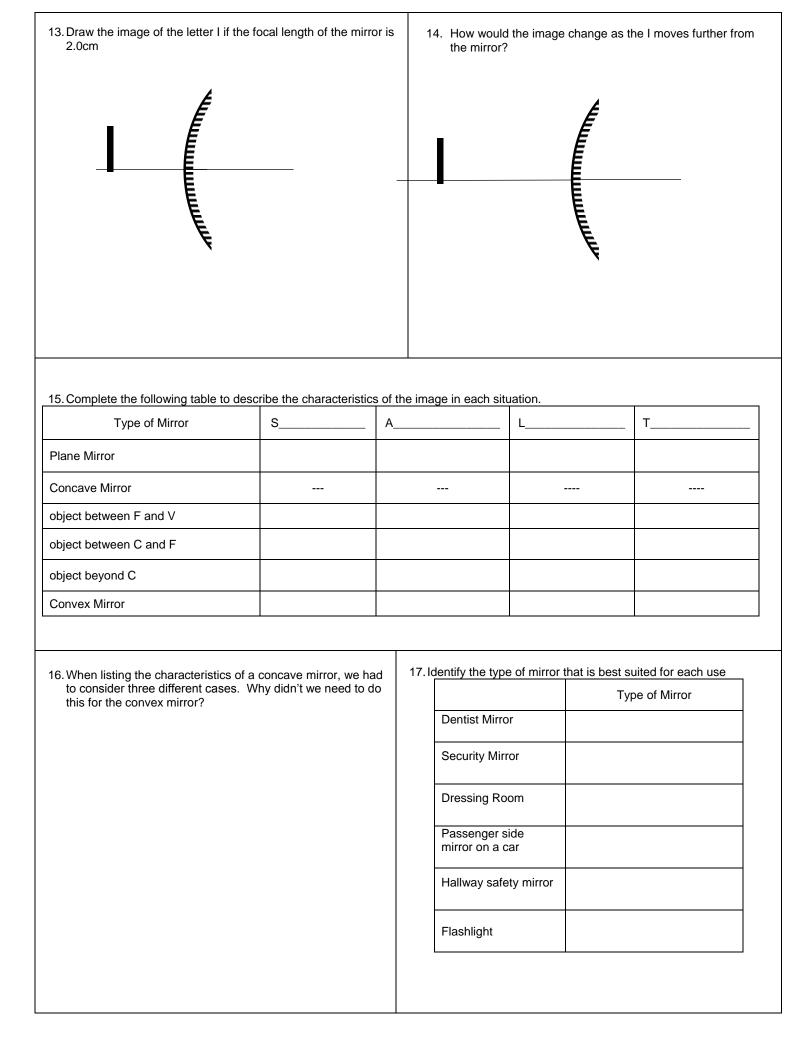
## SNC 2DI

**Mid Unit Review** 

Date: \_\_\_\_\_

1. Properties of light	2. Label the parts of a wave
3. What is the Electromagnetic spectrum –	4. What is the difference between incandescent and luminescent light? Give some examples
The electromagnetic spectrum is made up the following	
Shortest wave length	
Longest wavelength	
Write the name of the visible wavelengths from long to short	
5. What are the different types of light you have studied with few examples	<ul> <li>6. Draw a diagram with the following:</li> <li>A plane mirror</li> <li>A normal</li> <li>An incident ray with an angle of incidence of 25°</li> <li>A reflected ray</li> </ul>
	State the Law of Reflection and explain how your ray diagram follows the law.

<ul><li>7. Draw a diagram with the following:</li><li>A plane mirror</li></ul>	8. Match each descriptor on the left with the best term on the right. Each descriptor may be used only once.
<ul> <li>A plane mirror</li> <li>A normal</li> <li>An incident ray with an angle of incidence of 83°</li> <li>A reflected ray</li> </ul> State the Law of Reflection and explain how your ray diagram follows the law. 9. Explain the difference between specular and diffuse reflection. Use the diagrams provided to illustrate your explanation.	Term       Description         1
Give an example of a surface that would show diffuse reflection and a surface that would show specular reflection.         Which type of reflection obeys the laws of reflection?	
11. Draw a ray diagram to find the image of the object, then state the characteristics of the image	12. Draw a ray diagram to find the image of the object, then state the characteristics of the image.



18. The focal length of a make-up mirror is 35cm. How far away from the mirror should you be in order to see a magnified, upright image in the mirror? Draw a ray diagram to support your answer.						
<ul> <li>19. A concave mirror has a focal length of 6.0cm. An object with a height of 1.5cm is placed 10.0cm in front of the mirror. Calculate the image distance and height.</li> <li>20. The passenger-side rearview mirror on a car has a focal length of -2.5m. A person with a height of 1.5 m is standing 5.2m away from the mirror. Calculate the height and distance of their image using a ray diagram.</li> </ul>						
21. Complete the table to compare an	d conti	rast concave and cor	nvex mirrors			
		C	oncave		Convex	
Description (what does it look like	Description (what does it look like)					
Type of image produced						
Location of Focal Point						
22. Complete the following table to compare and contrast real and virtual images						
		Real			Virtual	
How they are formed						
Where they are located						
How do we view them						
What type of mirror produces this type of image?						