Name:			Student no	Class: MEP 3/6		
Part 1: Multiple ch	oices					
Objective SC 2.3	3/10: Explain the for	rmation of wave and	d describe the wave	e components.		
Items 1-5.						
Instruction: Fill in the blanks. Select your answer from the box.						
a. wavelength	b. amplitude	c. crest	d. trough	e. frequency		
The highest point	on a wave is the 1.	, while the lo	west point is the 2.			
The 3 of a wave is a measure of the amount of the energy it carries.						
The distance from one crest to the next crest is the 4						
The 5 is a measure of the number of waves that pass in a given amount of time.						
Items 6-9.						
Instruction: The di	agram below shows	s a wave. Identify th	e parts of the wave	e. Select your answer		
from the box.						
a. frequency	b. trough	c. wavelength	d. amplitude	e. crest		
6	7 8		6 7 8 9			
Items 10-13.						
Instruction: Reach	each question care	efully and select the	best answer.			
	that travels through natter is called	a medium from on	e location to anothe	er location without		
a. wave		c. force	е			
b. energy		d. mot	ion			
11. What type of v	vave has a vibration	n perpendicular to th	ne direction of trave	of the wave?		
a. longitudinal wave		c. sou	c. sound wave			

d. all types of wave

b. transverse wave



12. What type of wave v	ibrate parallel to the dir	ection of the travel of the	e wave?		
a. transverse wave		c. longitudinal wave			
b. water wave		d. none of the above			
13. From the diagram ")	,χ		. This region is called		
a. length		c. magnitude			
b. rarefaction		d. compression			
14. Mechanical wave is a type of wave that is not able to travel through a vacuum. Which of the following are good example of mechanical wave?					
I. Water II. Air					
III. Light wave					
IV. Radio wave					
		a III and IV anti-			
a. I and II only b. II and III only		c. III and IV only d. All of the above			
b. If and III only		d. All of the above			
Instruction: Identify the tylens 15-17.	ype of electromagnetic	wave used in the following	ing items.		
a. radio waves	b. ultraviolet rays	c. microwaves	d. visible light		
15. This type of wave can cause skin cancer or promote vitamin D production 16. This wavelengths and frequencies can be seen by human eye 17. This type of wave is used for detecting fake and forged currency Items 18-20					
a. x-rays	b. gamma rays	c infrared rays	d. light rays		
a. x-lays	D. gainina rays	o. mindrod rayo	a. light rays		
18. This type of wave is used in remote controls for TVs and VCRs					
19. This is the most dangerous type of wave					
20. This wave can goes through most matter except bone and lead					



Objective SC2.3 3/14: Explain the light movement showing the image formation from the mirror.

Instruction: Read each question carefully and select the best answer.

Items 21-23.

- 21. Which of the following statements is true about luminous and non-luminous objects?
- I. Luminous objects emit lights.
- II. Non-luminous objects cannot emit light.
- III. We can see luminous objects because their light travels directly to our eyes.
- IV. We can see non-luminous objects because they reflects light.
- a. I and II only

c. III and IV only

b. II and III only

- d. All of the above
- 22. Which of the following is a luminous object?
- a. planet

c. lamp

b. mirror

- d. wall
- 23. When light bounces off the surface of an object, we call it ...
- a. reflection

c. movement

b. refraction

d. transfer

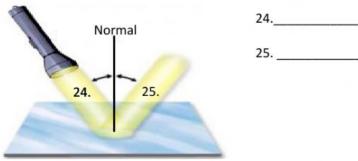
Item 24-26.

Instruction: The diagram below shows an angle of reflection. Identify the parts mark as items no.

24-25. Select your answer from the box.

a. Angle of incidence

- b. Angle of reflection
- c. Incident ray
- d. Reflected ray



- 26. From the diagram above, "Normal" is best describe as...
- a. the light that bounces off the surface
- b. a line drawn at 90 degree to the surface
- c. is the light that strike the surface
- d. the angle between the incident ray and the normal



27. A concave mirror gives an inverted image.	The word inverted means
a. upright	c. the same
b. upside down	d. exact
28. The image in a convex mirror is always dim	ninishing. The word diminishing means
a. larger	c. increasing
b. constant	d. decreasing
Par 2: Writing	
Objective SC2.3 3/14: Explain the light movem	ent showing the image formation from the mirror.
Instruction: Write a short answer. (Items 29-31)
How do you used the 3 types of mirror in every	day life?
29. Plane mirror =	
30. Concave mirror =	
31. Convex mirror =	
Objective SC 2.3 3/10: Explain the formation of	f wave and describe the wave companents
Instruction: Refer to the following waves and w	
A. Frequency	nte the answer. (items 52-40)
. Troquency	32. How many wavelengths long is Wave 1?
Wave 1	
00000	33. How many wavelengths long is Wave 2?
Wave 2	34. How many wavelengths long is Wave 3?
	35. Which has the highest frequency?
Wave 3	36. Which has the lowest frequency?
00000000000000000000000000000000000000	37. Define frequency.

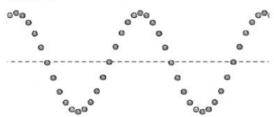


B. Amplitude



38. Which wave has the highest amplitude?

Wave 5



39. Which wave has the lowest amplitude?

40. Define amplitude.

Wave 6

