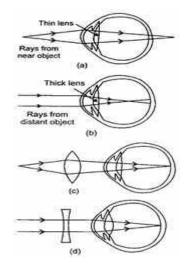
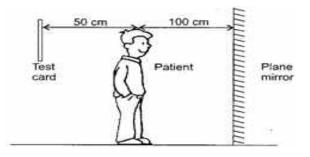
Class Notes					
Class: VIII	Topic: LIGHT (WORKSHEET)				
Subject: SCIENCE					

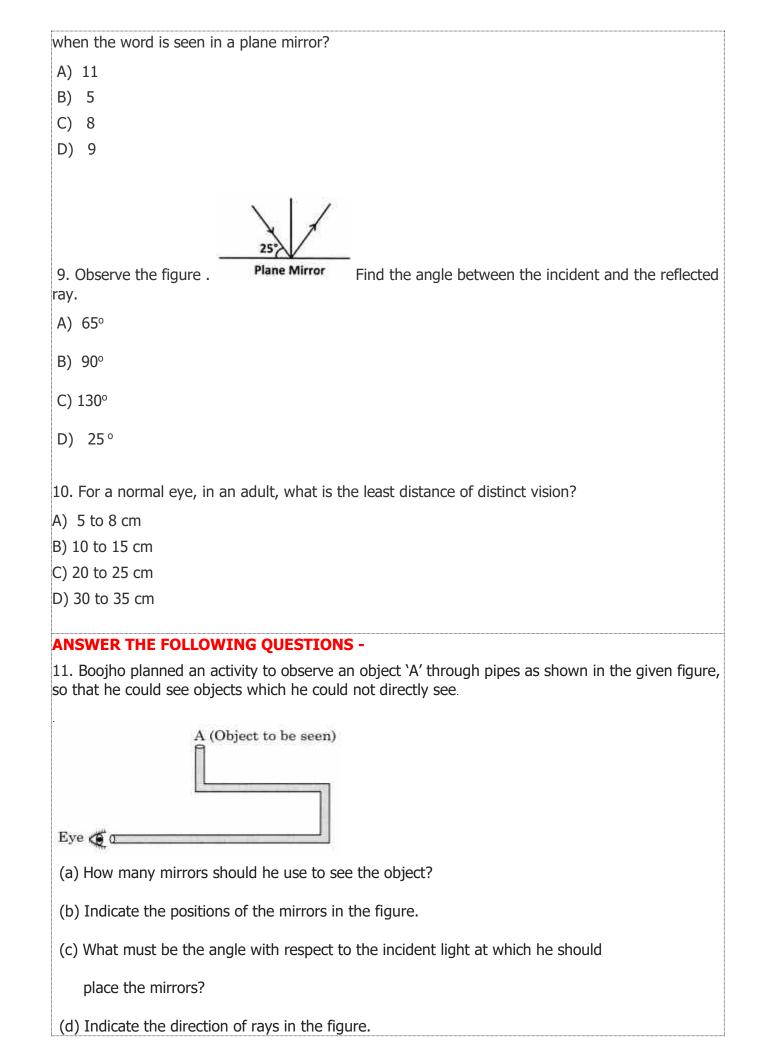
- 1. If two plane mirrors are inclined at an angle of 90° to each other, how many images of an object are seen?
- A) Only 1
- B) Only 2
- C) Only 3
- D) Any of 1, 2, 3 or 4 depending on the position of observer and object.
- 2. Which of the following ray diagrams shown below shows respectively the short sightedness condition and its correctness by using a lens?



- A) (a) and (d)
- B) (a) and (c)
- C) (b) and (d)
- D) (b) and (c)
- 3. An optician holds a test card 50 cm behind a patient. The patient then looks in the plane mirror which is 100 cm away. How far away from the patient's eyes is the image of the test card?



A) 100 cm
B) 150 cm
C) 200 cm
D) 250 cm
4. What is the nature of image formed on the retina of human eye of an object?
A) Virtual and erect
B) Virtual and inverted
C) Real and erect
D) Real and inverted
5. Identify the value of persistence of vision.
A) 1/1 0th of a second
B) 1/12th of a second
C) 1/16th of a second
D) 1/20th of a second
6. The characteristics of an eye disease are given below -
(i) Eye sight becomes foggy
(ii) Eye lens becomes cloudy
(iii) There is a loss of vision
In which of the following disease are the above characteristics observed?
A) Myopia
B) Presbyopia
C) Hypermetropia
с) туретпеноріа
D) Cataract
D) Cataract
D) Cataract7. Which of the following is the requirement of nocturnal animals like owl an bat?A) Large corneaB) Large pupil
D) Cataract7. Which of the following is the requirement of nocturnal animals like owl an bat?A) Large cornea
D) Cataract7. Which of the following is the requirement of nocturnal animals like owl an bat?A) Large corneaB) Large pupil



((م)	If any	v of the	mirrors is	removed	will he	he able	to see	the obje	رt)
- 1	· •	, ii aii	<i>y</i>	111111101315	, i ci i lo v ca	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DC UDIC		tile obje	

- 12. A student has difficulty reading the blackboard while sitting in the last row. What could be the defect the child is suffering from? How can it be corrected?
- 13. Boojho while waving his hand very fast in front of his eyes, observes that his fingers appear blurred. What could be the reason for it?
- 14. Eyes of the nocturnal birds have large cornea and a large pupil. How does this structure help them?
- 15. What are rods and cones in the retina of an eye?
- 16. Explain why, an owl can see well in the night but not during the day whereas an eagle can see well during day but not in the night.
 - 17. Draw the ray diagram to show image formation in plane mirror.
 - 18. Look at the figure. Can the image of the child in it be obtained on a screen?

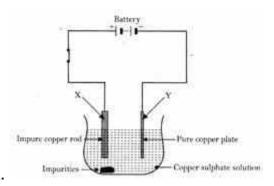


19. Explain the process which enables us to perceive motion in a cartoon film.

20. FILL IN THE BLANKS:

a.	We useto see images of ourselves or other objects.
b.	The line drawn perpendicular to the surface of the mirror at the point of incidence is termed as the
c.	The angle of incidence isto the angle of reflection.
d.	The exposed surface of the eyeball has a transparent covering called
e.	is also called nearsightedness and shortsightedness.

WORKSHEET	
Class: 8	CHAPTER 14- CHEMICAL EFFECTS OF ELECTRIC CURRENT
Subject: SCIENCE	NOTE:- THIS IS FOR YOUR PRACTICE



- 8. Look at the following figure and choose the correct option.
- A) X represents anode, Y represents cathode
- B) X represents cathode, Y represents anode
- C) Both represent anode
- D) Both represent cathode
- 9. Which one of the following observations can be observed when electric current is passed through an electrolyte in which two electrodes are present?
- a) Bubbles of gas may be formed on the electrodes.
- b) Deposits of metal may be see non electrodes.
- c) Change in the colour of the solution may take place.
- d) All the above
- 10. Which of the following circuits gives the correct way of connecting an LED to light it up?

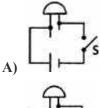


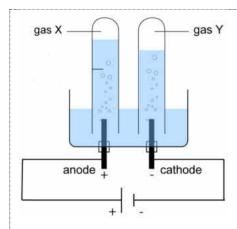






DIAGRAM BASED QUESTION

Observe the diagram & answer the questions given below.



ELECTROLYSIS OF WATER

- a) Which gas will be released at anode & cathode on electrolysis of water
- b) Can we use distilled water for electrolysis? Why?
- c) What can be added to water to make ot more conducting?

FILL UPS

- 1. A cation has charge.
- Distilled water when mixed with salts becomes a _____ conductor of electricity.
 Light emitting diodes (LED) glow even when a _____ electric current flows through it.
- 4. A coating of is deposited on iron to protect it from corrosion and formation of rust.

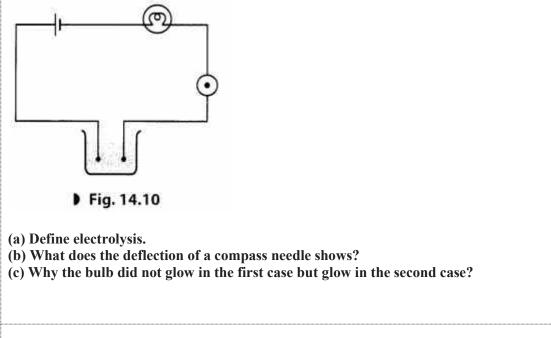
TRUE /FALSE

- 1. Most liquids that conducts electricity are solutions of acids, bases and salts.
- 2. An electric bulb glows due to chemical effect of electricity.

SUBJECTIVE QUESTIONS-

- 1. What happens when electric current is passed through the copper sulphate solution?
- Why is chromium used for electroplating? Why the objects have chromium plating are not made of chromium itself?
- Current does not flow in a circuit if there is a gap between the two wires. Does it indicate that air is a poor conductor of electricity? Does air never conduct electricity? Explain.
- Show the conductivity of water with the help of an activity.
- Suppose you want to deposit silver on an iron spoon using silver nitrate as electrolyte. Which terminal of the battery you should connect the spoon? What material should the other electrode be made of?
- Why potato turns green on passing current? Around which terminal greenish patch is observed?
- 7. Yakub made an circuit as shown in the figure. He observed that the bulb did not glow but on bringing a compass needle near ,it shows deflection.

He was quite confused that if current is flowing through the circuit then why the bulb is not glowing. Meanwhile his friend Sourav arrived and suggested him to add one more cell in the circuit. The bulb, then started glowing.



(a) Define electrolysis.(b) What does the deflection of a compass needle shows?(c) Why the bulb did not glow in the first case but glow in the second case?						