

UNIT TEST IV, 2019-2020

NAME: .....

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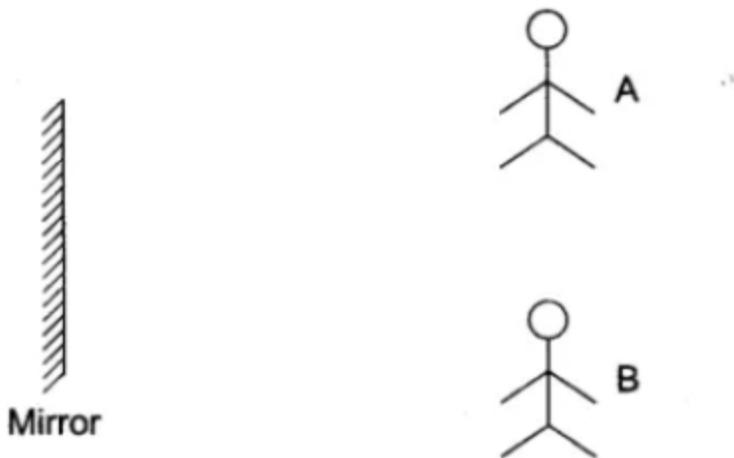
CLASS & SECTION: VI

SUBJECT: SCIENCE

**Class VI -Physics Worksheet**

1. What are transparent, translucent and opaque objects? Give examples for each.
2. What can you say about image formed by a plane mirror?
3. Give the difference between luminous and non-luminous objects.
4. How are shadows formed?
5. What is lateral inversion?
6. How pin hole camera works?
7. What is reflection of light?
8. Explain the difference between an image and a shadow?
9. Explain how can we see our image in the mirror?
10. Moon appears bright at night. Is it luminous or non-luminous body?
11. Explain with the help of activity that light travels in straight line.
12. In a completely dark room, if you hold up a mirror in front of you , will you see a reflection of yourself in the mirror?
13. Can you think of creating a shape that would give a circular shadow if held in one way and a rectangular shadow if held in another way?
14. Are shadows and reflections same? Justify your answer.
15. Write the differences between umbra and penumbra.
16. How will you convert a glass sheet into a translucent sheet?
17. Explain the process of shadow formation.
18. How does a tree look when seen through a pin hole camera?
19. Why window panes of bathroom are made of translucent glass?
20. How does the colour of an opaque object affect the colour of the shadow?
21. Explain the reflection of light with the help of an activity.
22. Explain that the light has the property of rectilinear propagation.
23. Why are we not able to see the candle flame through a bent pipe?

24. What can you say about image formed in a plane mirror?
25. Explain how we see our image in the mirror?
26. Name the types of eclipses.
27. What are the difference between solar eclipse and lunar eclipse?
28. Why solar eclipse is dangerous?
29. Name two natural sources of light and two human-made sources of light.
30. Why does a solar eclipse always occur on a new moon day?
31. Can you name anything that can travel faster than the speed of light?
32. Are most objects around us luminous or non-luminous?
33. Are stars luminous or non-luminous?
34. We depend on light energy for our food. True or false? Justify your answer.
35. What do you mean by Blood Moon?
36. During lunar eclipse, the visible red colour occurs. Give reason.
37. Diamond ring occurs in which type of solar eclipse?
38. A and B are facing the mirror and standing in such a way that A can see B and B can see A.  
Explain this phenomenon.



## Class VI- Chemistry work sheet

1. What are the different forms of precipitation of water?
2. Is evaporation exothermic or endothermic process?
3. Why water in seas and oceans cannot be used for drinking purpose?
4. What is fog how it is formed?
5. Name the process by which plants release water vapour to the atmosphere?
6. Why do wet clothes on cloth line get dry after sometime?
7. How do concrete covers affect the availability of underground water?
8. Why there is need for conserving water?
9. Takeout a cooled water bottle from refrigerator and keep it on table. You will notice droplets of water around it. Why?
10. How are clouds formed?
11. To clean their spectacles people often used to breathe out on their glasses to make them wet.  
Explain how the glasses become wet?
12. Suggest a method to clear out oil spill on oceans.
13. What is cloud seeding?
14. What is potable water?
15. Why do you feel cool after you start sweating?
16. Explain rain water harvesting
17. Explain water cycle.
18. Explain how recycling of paper help us to conserve water.
19. Pure water is tasteless but tap water has some taste. Why?
20. When is world water day celebrated?
21. What are the three states of water?
22. Explain how the water changes from one state to other.
23. Draw and explain water cycle.
24. Explain about the different sources of water.
25. What is drought? When it occurs?
26. List the measures that can be taken to control floods.
27. What is lightning?
28. What is thunder?

## Class VI -Biology Worksheet

### SECTION A

Answer all the questions

1. We are able to bend or rotate our body only at \_\_\_\_\_.
2. Bones cannot be bent.(TRUE/FALSE)
3. A skeletal system consists of  
(a) bones and muscles    (b) muscles and nerves    (c) bones and nerves    (d) bones and cartilage
4. Which of the following organisms does not have both muscles and skeleton for movement?  
(a) dog                      (b) snail                      (c) earthworm                      (d) human being
5. In shark, skeleton is made up of \_\_\_\_\_
6. Synovial fluid is found in the \_\_\_\_\_  
(a) slightly movable joints    (b) freely movable joints    (c) immovable joints    (d) muscles
7. \_\_\_\_\_ Joint allows movement in all directions.
8. Elbow has \_\_\_\_\_ joint.
9. Bone in our arm is joined to our shoulder by \_\_\_\_\_ joint.
10. In a pivotal joint a cylindrical bone rotates in a ring. (TRUE/FALSE)
11. The joint between the upper jaw and rest of head is \_\_\_\_\_.
12. Bones in our body forms framework to give shape to our body. This framework is known as \_\_\_\_\_.
13. Ribs join the chest bone and back bone together to form box called \_\_\_\_\_.
14. The skull is made up of many bones joined together. (TRUE/FALSE)
15. Only upper part of ear has cartilage, not the ear lobe. (TRUE/FALSE)
16. The bone is pulled when muscles \_\_\_\_\_. (contracts/relax)
17. The earthworm does not have bones. (TRUE/FALSE)
18. Earthworm is called farmer's friend. (TRUE/FALSE)
19. Rounded structure on the back of snail is \_\_\_\_\_.

20. Movement of snail is due to \_\_\_\_\_.
21. In earthworm, \_\_\_\_\_ helps to extend or shorten the body.
22. Shell of snail is made of bone.(TRUE/FALSE)
23. Cockroaches have \_\_\_\_\_ pair of wings attached to breast.
24. Bones of bird are \_\_\_\_\_.
25. Cockroaches have \_\_\_\_\_ pair of legs.
26. Fishes have \_\_\_\_\_ on their body which helps to keep balance of their body.
27. Snakes have long back bone. (TRUE/FALSE)
28. Movement of snake is not straight but \_\_\_\_\_.(fast/slow)
29. Underwater divers wear fin-like flippers on their feet to \_\_\_\_\_  
(a) swim easily in water. (b) look like a fish.  
(c) walk on water surface. (d) walk over the bottom of the sea (sea bed).
30. Snail moves with the help of its \_\_\_\_\_  
(a) shell (b) bone (c) muscular foot (d) whole body

### SECTION B

1. What is pivotal joint?
2. What are fixed joints?
3. Which technique is used to find out possible bone injuries?
4. What is the function of rib cage?
5. If backbone was made up of only one long bone, will you be able to bend?
6. What is cartilage?
7. What is muscle contraction?
8. What is the function of skeletal system?
9. Where cartilage is found and why is it present there?
10. What are different functions of joints in our body?
11. How does earthworm gets grip on ground?
12. How are bones of bird modified to move wings up and down?
13. What are the different body parts used by cockroach for its movement?

14. What is a ball and socket joint?
15. Differentiate between bone and cartilage
16. How are we able to move our head up and down and sideways?
17. What is the significance of streamlined body in fish?
18. Name four different types of joints.
19. What is a bone marrow? Give its main function.
20. Explain the mechanism of bone movement. What is the role of muscles in the movement of bones?
21. How do incorrect sitting postures harm us? What are the correct sitting and standing postures?
22. How are birds adapted for flying?
23. Name the type of joint of your hand which help you to grasp a badminton racquet
24. Write the type of joint which is used for each of the following movements:
  - (a) A cricket bowler bowls the ball.
  - (b) A girl moves her head in right and left direction.
  - (c) A person lifts weights to build up his biceps.
25. Which type of movement would have been possible if
  - (a) our elbow had a fixed joint.
  - (b) we were to have a ball and socket joint between our neck and head.
26. Earthworms are known as 'farmer's friends'. Why?
27. In Fig. 8.2 there are two snakes of the same size slithering on sand. Can you identify which of them would move faster and why?

