BIOLOGY

BOOKS - SRS PUBLICATION

MOVEMENT AND LOCOMOTION

Question Bank

1. Joints of the bone help in the _____.

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2. The contraction of the _____ pulls the bones during movement.

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3. The bones at the elbow are joined by ___ joint.

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4. The immovable joints are presents in

A. Knee

B. Shoulder

C. Neck

D. Skull

Answer:

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5. The hollow bones are present in

A. Cow

B. Sparrow

C. Buffalo

D. Snake

Answer:

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6. The fibres which join the muscles to the bones

A. Tendon

B. Ligament

C. Cartilage

D. None

Answer:

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7. The joint responsible to move our head up and down and side to side is

A. Slidiing joint

B. Hinge joint

C. Ball and socket joint

D. Pivot joint

Answer:

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8. Write a short notes on different types of joint in your body.

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9. What are the uses of muscles and bones?

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10. Differentiate the ball and socket joint from hinge joint.

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11. How is the body of a fish suitable foe swimming?

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12. Guess who I am

I am a joint that works life joint of doors and windows

Watch Video Solution

13. Guess who I am

I help to join two bones.

Watch Video Solution

14. Guess who I am

I am a joint between upper jaw and skull.

Watch Video Solution

15. Guess who I am

I am a chiain small small bones..

Watch Video Solution

16. Guess who I am

I join bone and muscle.

17. What would happenif there are no bones and joint in our body?

18. What would happen if there is a single bone in your fingers?

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19. Draw a neat and labelled diagram of ball and socket joint and write its location.

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20. How do you appericiate locomotion in birds?

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21. Collect information regarding joint pains from an orthopedic.

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22. List out the activities that you performed at your home and which joints were involved in each activity?

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23. Observe the whole body of a hen from internet and make a list of different joints bones ,muscles ,tendons and ligaments present in it.

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24. Try to identify the joints in the body of a goat through internet and make a list of those joints.

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25. Collect X-ray films and identify which body parts they represent and write a note on them

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26. What games are the children playing in this picture?

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27. Are all the childre playing in a similar way?

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28. How does one bone help the other to move?

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29. Is there any arrangement between bones?

 Watch Video Solution

30. Are ligaments of bones sufficient for body movement?

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31. Is this entire skeleton of our body made up of a single bone?

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32. Can you move the upper jaw as well?

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33. Do the following actions:

Bowl an imaginary ball at an imaginary wicket.

Lie down and try to rotate your leg at the hip.

Bend your arm at the elbow and your leg at the knee.

Stretch your arms sideways chew some food bend your arm to touch you shoulder with your finger and try to move other body parts as well. Record your observations in table 1

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34. ❋ Make a fist with one hand, bend your arm at the elbow and touch your shoulder with the fist. Also touch your upper arm with the other hand, as shown in figure.

Q. Can you feel a swollen region inside your upper arm?

Ans. Yes, when we make fist and bend the arm we feel a

Can you feel a swollen region inside your upper arm?

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35. ❋ Hold one of your hands infront of you, in the manner shown in given figure, with the palm facing downwards. Fold and unfold the fingers of this hand one by one. Observe the back of your palm between the fingers and the wrist and study the movement of the muscles.

Could you identify the different muscles that move as you open and close each finger?

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close each finger.

* Now hold your hand with the palm facing upwards, in the manner shown in given figure, and fold and unfold your fingers one by one. Study the moving muscles between the wrist and elbow.

Q. Could you identify the movements in different muscles?

36. Could you identify the movements in different muscles?

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37. Ask your friend to open his mouth and move his lower jaw up and down as well as sideways.observe his face carefully

Did you notice any joint in the bones near his ear?

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38. Ribs are bent which join the chest bone and the back bone together to form a box this is called the rib cage.

Some important parts of our body are loacated in the rib cage and are protected by it.What are they?

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39. ❋ Put a meter scale under your arm so that your elbow is in the centre. Ask your friend to tie the scale and your arm together as shown in the given figure. Now try to bend your elbow. Is it possible ? Bones can't bend. You have seen that the human skeleton is made up of many bones.

What will happen if bones can't move?

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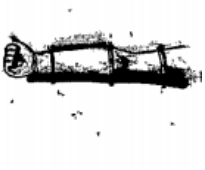
40. ❋ Put a meter scale under your arm so that your elbow is in the centre. Ask your friend to tie the scale and your arm together as shown in the given figure. Now try to bend your elbow. Is it possible ? Bones can't bend. You have seen that the human skeleton is made up of many bones.



Bones of our body move in their own way, How it is possible?

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41. 

Is it possible at the elbow as well? No. Why not?

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42. 

Where do you find such hinges in your house?

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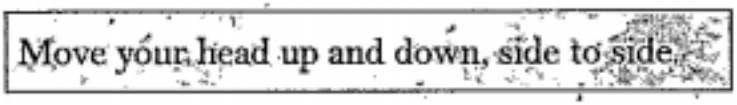
43. 

Do you think there is any joint present below the head?

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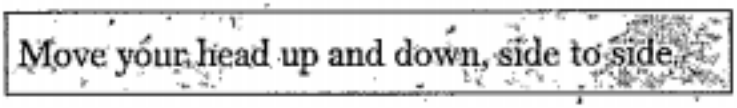
44. 

Imagine what happens if there is no joint in between the head and neck

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45. Let us see how animals move from one place to another. Fill in your observations in the table.

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46. Do they swim the same way as humans?

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47. What is the difference?

View Text Solution

48. What features help the fish in swimming and how?

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49. What parts of our body are responsible for the movement ?

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50. Can all animals move their body parts like us?

 Watch Video Solution

51. What is the relation between moving body parts and muscles ?

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52. What are tendons?

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53. What are ligaments?

Watch Video Solution

54. Give some examples where you feel the movement of muscles.

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55. How many vertebrae are there in the back bone of an infant ?

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56. How does a bone move?

Watch Video Solution

57. How do muscles work?

Watch Video Solution

58. Write a note on "Fixed joints".

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59. How can you say that your backbone behaves like a spring?

Watch Video Solution

60. What is pelvic girdle?

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61. Whar is cartilage? where is it situated in our body?

Watch Video Solution

62. What is locomotion ? Explain locomotion in snake.

Watch Video Solution

63. Write about skull.

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64. Prepare a questionnaire to take interview with yoga teacher or PET sir, about Asanas and Exerceses.

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65. What questions would you ask about the importance of Joint in human body?

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66. You are going to meet an orthopedic doctor. What questions do you ask him?

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67. What questions do you ask your teacher about locomotion?

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68. Frame a few questions regarding muscles.

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69. How do you find cartilage bones of our body ? Write the activity you do.

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70. How will you identify clavicle in your body ?

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71. Prepare a table with types of joints and where they are situated in our body.

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72. Complete the following table.

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73. Draw the diagram of ligment with thigh bone and calf bone.

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74. Crawling snake, jumping frog, flyirig bird are they amazing to you. Why do you think so?

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75. Which joints are involved in plucking flowers, making garlands?

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76. If there i is no pivot joint, what problem will you face ?

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77. How can you appreciate locomotion in animals?

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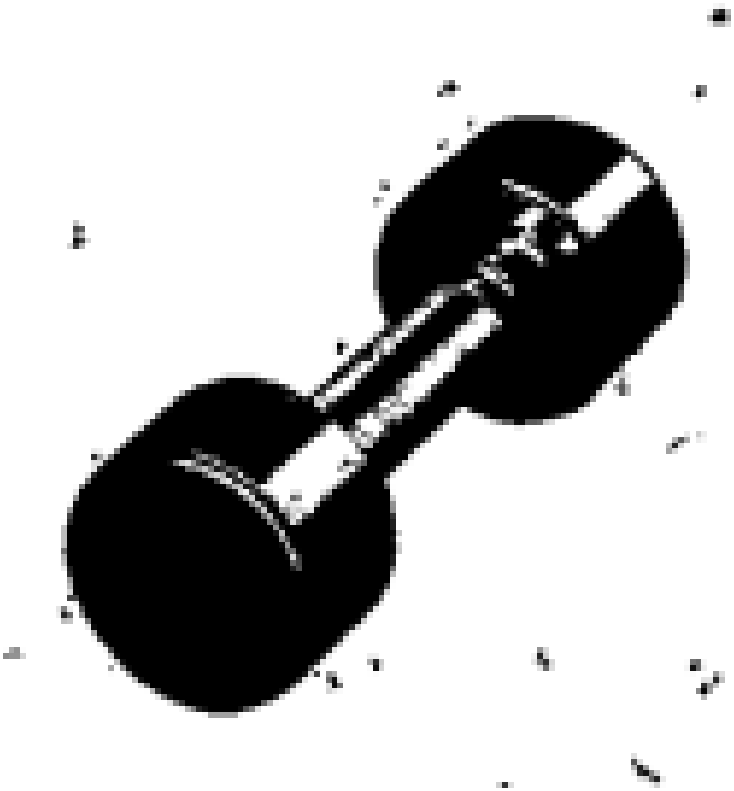
78. What is this instrument ? How do you use this ?



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79. The knee of our body.

A. Rotates

B. Lifts

C. Bends

D. Doesn't move

Answer: C

Watch Video Solution

80. The upper jaw of the face.

A. Lifts

B. Bends

C. Rotates

D. Doesn't move

Answer: D

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81. The tender fleshy structures that move the bones inside our body are called .....

A. Muscles

B. Cartilages

C. Ligaments

D. Joints

Answer: A

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82. The joint at the elbow is called .....

A. Ball and socket

B. Hinge

C. Sliding

D. Pivot

Answer: B

Watch Video Solution

83. The longest and the strongest bone in human body.

A. Femur

B. Radius

C. Ulna

D. Sterna

Answer: A

Watch Video Solution

84. The joint present between two bones of a finger is ....

A. Ball and socket

B. Piot

C. Hinge

D. Sliding

Answer: C

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85. The number of small bones present in vertebral column is .....

A. 72

B. 33

C. 22

D. 44

Answer: B

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86. Femur bone is located in .....

A. Fore hand

B. Shoulder

C. Back bone

D. Thigh

Answer: D

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87. Two bones are joined by fibres called

A. Ligament

B. Tendons

C. Nerves

D. Viens

Answer: A

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88. This passes through the vertebrae.

A. Aorta

B. Nerve

C. Tendon

D. Spinal cord

Answer: D

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89. The human heart forces ..... CC of blood per minute through blood vessels.

A. 2500

B. 3500

C. 4500

D. 5500

Answer: C

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90. The ear is made up of a special type of bone called .....

A. Ligament

B. Cartilage

C. Bone Marrow

D. Dentine

Answer: B

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91. Snakes have .....

A. Short back bone

B. Long back bone

C. No back bone

D. All of these

Answer: B

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92. Bones of the following living beings are hollow and light

A. Snake

B. Snail

C. Fish

D. Birds

Answer: D

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93. The joint present in knee is .....

A. Hinge

B. Ball and socket

C. Fixed

D. Pivot

Answer: A

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94. Which of the following has fixed joints ?

A. Skull

B. Lower jaw

C. Legs

D. Hands

Answer: A

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95. The shape of tendons is ....

A. round

B. white

C. rope-like

D. All of these

Answer: D

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96. A long structure running down the middle of our back is .....

A. Backnone

B. Spinal cord

C. Vertebral column

D. All of these

Answer: D

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97. Muscles are connected to bones with the help of

A. Tendons

B. Ligaments

C. Cartilage

D. Bone marrow

Answer: A

Watch Video Solution

98. Which of the followirig bone works as a spring?

A. Back bone

B. Hinge bone

C. Pivot bone

D. Socket bone

Answer: A

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99. The upper jaw and skull contains this joint.

A. Moveable

B. Hinge

C. Fixed

D. All of these

Answer: C

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100. Muscular foot is a locomotory organ in .....

A. Snake

B. Earth worm

C. Housefly

D. Snail

Answer: D

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101. ..... gives shape to our body.

A. Muscles

B. Skeleton

C. Skin

D. All of these

Answer: B

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102. ..... of muscle makes the bone move.

A. Expansion

B. Contraction

C. Both A and B

D. Ligament

Answer: C

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103. The raised bone at the shoulder is .....

A. Shoulder blade

B. backnone

C. Shoulder bone

D. Clavicle

Answer: D

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104. The bone present behind the raised bone of shoulder is .....

A. Shoulder blade

B. Vertebrave

C. Shoulder bone

D. Clavicle

Answer: A

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105. The total number of bones present in our body is

A. 306

B. 206

C. 406

D. 506

Answer: B

106. Choose the following action done by muscles.

A. Chewing

B. Fluttering of eye lashes.

C. Moving toes

D. All of these

Answer: D

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107. ..... encloses and protects the brain.

A. Heat

B. Lungs

C. Skull

D. All of the above

Answer: C

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108. Hollow bones help the ..... to move in the air.

A. Birds

B. Lion

C. Tiger

D. Lizard

Answer: A

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109. Match the following

Group – I		Group – II
1. Hinge Joint	( )	a) Shoulder
2. Ball and socket joint	( )	b) Neck
3. Neck Joint	( )	c) Elbow

A. 1-a,2-b,3-c

B. 1-c,2-a,3-b

C. 1-c,2-b,3-a

D. 1-a,2-c,3-b

Answer: B

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110. Choose the correct statement.

A. The body of fish is streamlined

B. Bones of birds are hollow and light

C. Each loop in the snake body gives a forward push by pressing against the ground

D. All of the above

Answer: D

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111. The movement of bulb in coconut shell hypothesized to.....

A. Hinge

B. Pivot

C. Ball and socket

D. all the above

Answer: B

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112. Pivot joint:Neck : : Hing joint ,: .....

A. Leg

B. Hand

C. Head

D. Elbow

Answer: D

Watch Video Solution

113. Fish : Streamlined body : : snake : .....

A. Tail

B. Loop

C. Bones

D. Mouth

Answer: B

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114. Choose the wrong statement

A. Muscles work in pairs

B. Tendons join muscles to bones

C. Our back bone never bends

D. Fixed joint in the skull

Answer: C

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115. If muscles are absent

A. Our bones have fast movements

B. Our bones have slow movements

C. Our body will become inactive

D. We will die

Answer: B

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116. P : Snail moves slowly due to wavy motion of its foot

Q : The joint between upper jaw and lower jaw is immovable joint.

A. BothP,Q are true

B. Both P,Q are false

C. P-true, Q-false

D. P-false, Q-true

Answer: A

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117. Find out the wrong statement.

A. Cartilage bone is present at the chin

B. Skull is immovable joint

C. Pelvic girdle is present at shoulder

D. The clavicle is present at shoulder

Answer: A

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118. What parts are damaged if rib cage is broken?

A. Heart

B. Lungs

C. Liver

D. All the above

Answer: D

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119. Find the odd one out regarding the presence of cartilage bone

A. Nose

B. External ear

C. Jaw

D. Between ribs and sternum

Answer: C

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120. What will happen if bones can’t move?

A. We can't move any body part

B. Some body parts can't work

C. Both A and B

D. It will be good for health

Answer: A

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121. X: Birds can fly because their bones are hollow and light.

Y: The bones of the hind limbs are meant for walking and perching.

A. X,Y are true

B. X-true, Y-false

C. X,Y are false

D. X-false, Y-true

Answer: A

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122. The activity of observing hinge joint tell us

.....

A. The movement of elbow

B. The movement of vertebrae

C. The movement of bones

D. The movement of skull

Answer: A

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123. We can observe our muscles easily at ..... region.

A. Elbow

B. Stomach

C. Head

D. Shoulders

Answer: D

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124. What can you do to observe our rib-cage ?

A. Take a deep breath and held it for a little while

B. Take scanning

C. Hit the chest with pressure

D. Rib bones are counted with the machine

Answer: A

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125. What skeletal structure is observed while pressing the body below our waist ?

A. Pectoral girdle

B. Clavicle

C. Pelvic girdle

D. Thigh bones

Answer: C

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126. What is the purpose of doing the activity fold and unfold our body ?

A. Movement of skull

B. Movement of muscles

C. Movement of skull

D. Joint functions

Answer: B

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127. Pivot joint helps us to move our head up-down and side to side.

Where is pivot joint located in our body?

A. Abdomen

B. Neck

C. Head

D. Skull

Answer: B

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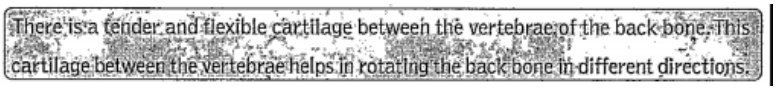
128. Read the following paragraph. Answer the question


There is a tender and flexible cartilage between the vertebrae of the back bone. This cartilage between the vertebrae helps in rotating the back bone in different directions.

What helps the vertebre to rotate the entire back bone?

A. Clavicle

B. Cartilage

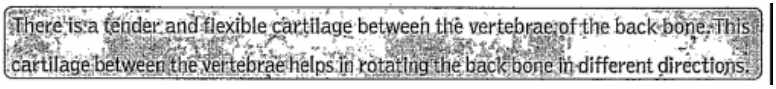
C. Crown

D. Girdle

Answer: B

Watch Video Solution

129. Read the following paragraph. Answer the question


There is a tender and flexible cartilage between the vertebrae of the back bone. This cartilage between the vertebrae helps in rotating the back bone in different directions.

A long structure running down the vertebrae of back bone is called .....

A. Spinal cord

B. Ligament

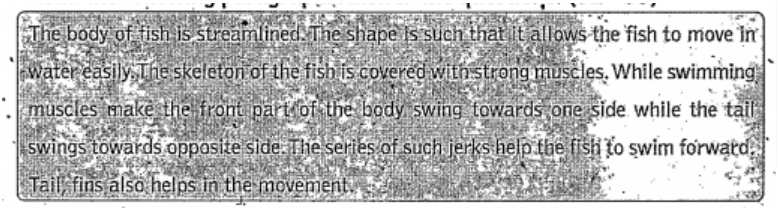
C. Tendon

D. Muscle

Answer: A

Watch Video Solution

130. Read the following paragraph. Answer the question


The body of fish is streamlined. The shape is such that it allows the fish to move in water easily. The skeleton of the fish is covered with strong muscles. While swimming muscles make the front part of the body swing towards one side while the tail swings towards opposite side. The series of such jerks help the fish to swim forward. Tail, fins also helps in the movement.

What is the physical structure of fish helps in swimming?

A. Cylindrical tail

B. Hollow fins

C. Streamlined body

D. Cartilage bones

Answer: C

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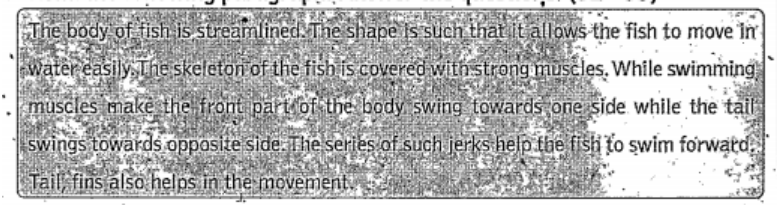
131. Read the following paragraph. Answer the question


The body of fish is streamlined. The shape is such that it allows the fish to move in water easily. The skeleton of the fish is covered with strong muscles. While swimming muscles make the front part of the body swing towards one side while the tail swings towards opposite side. The series of such jerks help the fish to swim forward. Tail, fins also helps in the movement.

How muscles in fish help to swim easily ?

A. Muscles help in floating the body

B. Skeleton and muscles make forward move

C. A&B

D. Muscles help the fish swing towards either side

Answer: D

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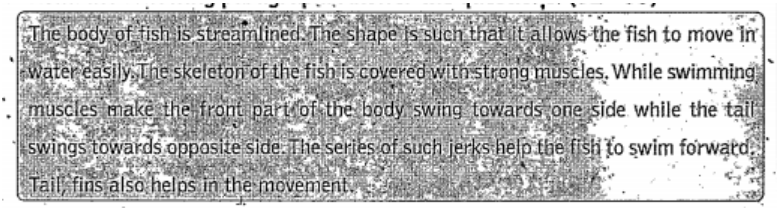
132. Read the following paragraph. Answer the question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One of the parts also help the fish to swim in water easily

A. Gills

B. Tail

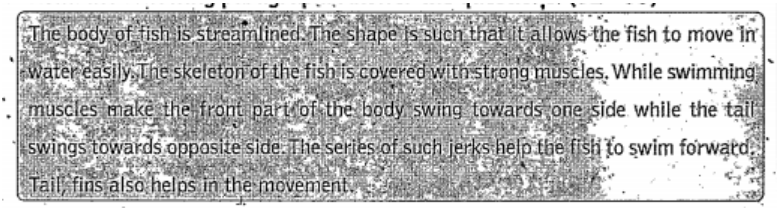
C. Fins

D. Both B and C

Answer: D

Watch Video Solution

133. Read the following paragraph. Answer the question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Choose the correct statement.

A. Muscles make the front part of the body swing towards one side

B. Tail swings its body towards opposite side

C. The series of jerks help the fish swim forward

D. All the above

Answer: D

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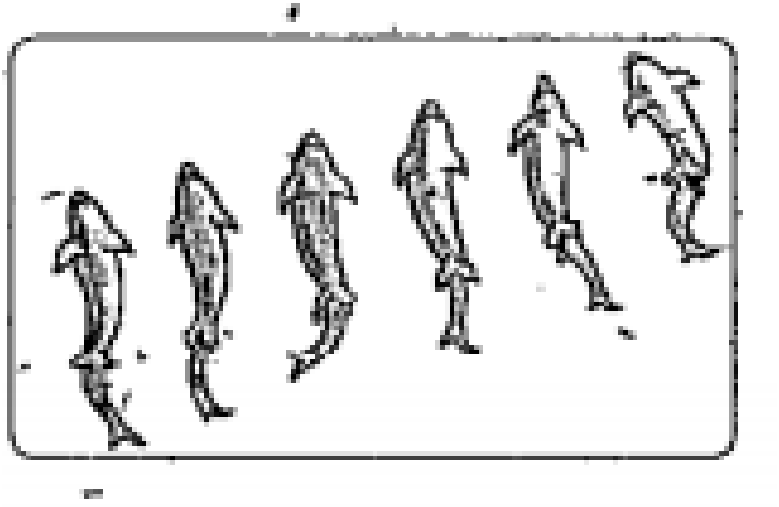
134. The key factor for fish to swim in water.



A. Streamlined body

B. Tail fin

C. All the fins

D. A & B

Answer: D

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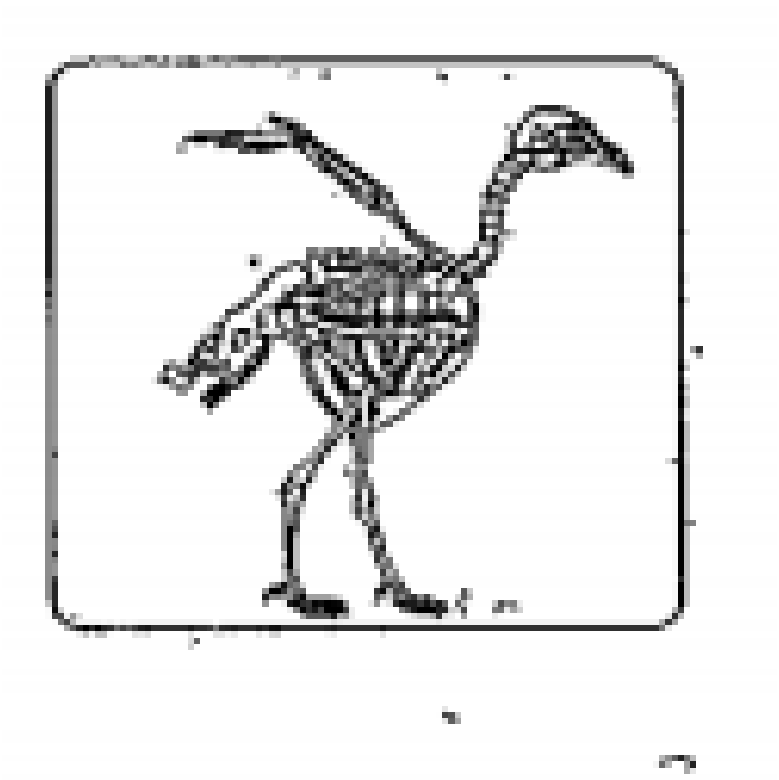
135. The nature of body in bird to fly easily



A. Hollow bones

B. Strong legs

C. Long beak

D. Only feathers

Answer: A

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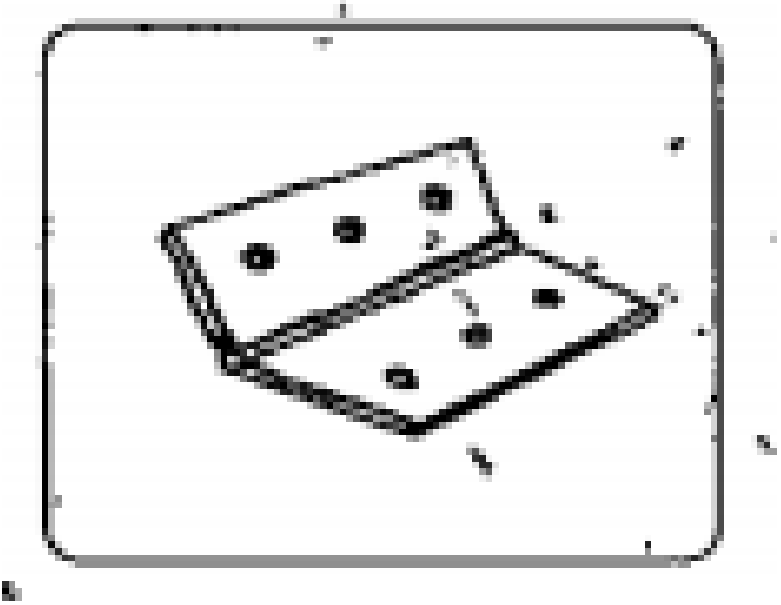
136. The given picture represent .....



A. hinge joint

B. pivot joint

C. saddle joint

D. above all

Answer: A

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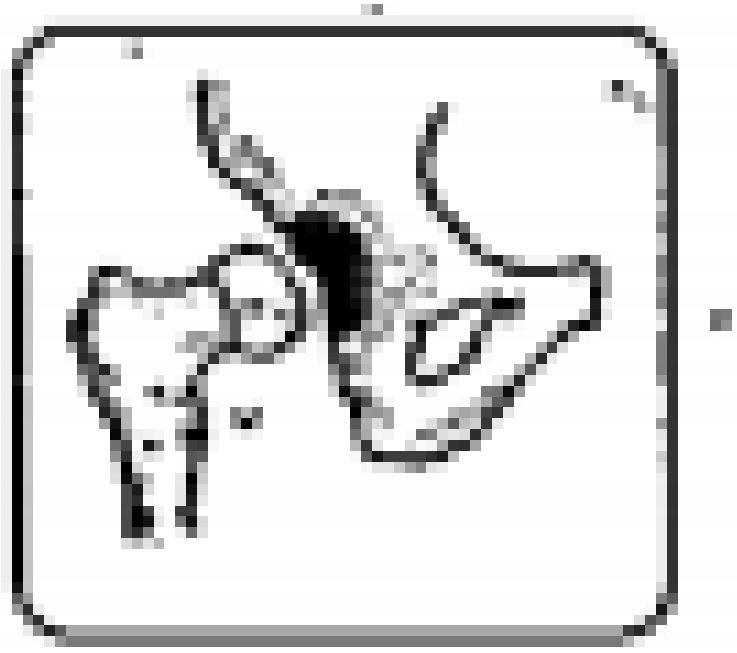
137.  The given picture represents .....

A. spring joint

B. pivot joint

C. ball and socket joint

D. skull joint

Answer: C

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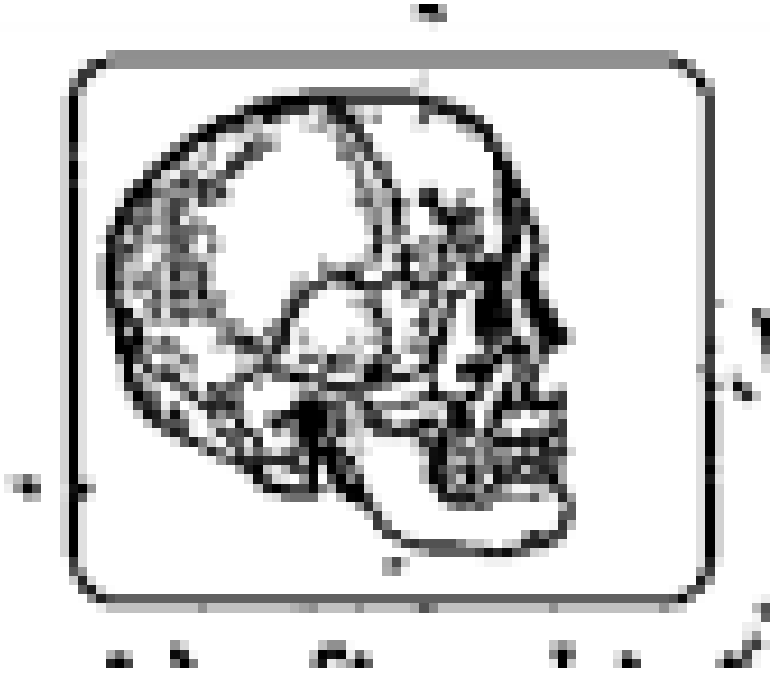

138.

What type of joint is located in the skull ?

A. fixed joint

B. movable joint

C. round joint

D. hard joint

Answer: A

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139. What body part is the boy identifying in the picture ?

A. Waist

B. Shoulder

C. Back bone

D. All of the above

Answer: C

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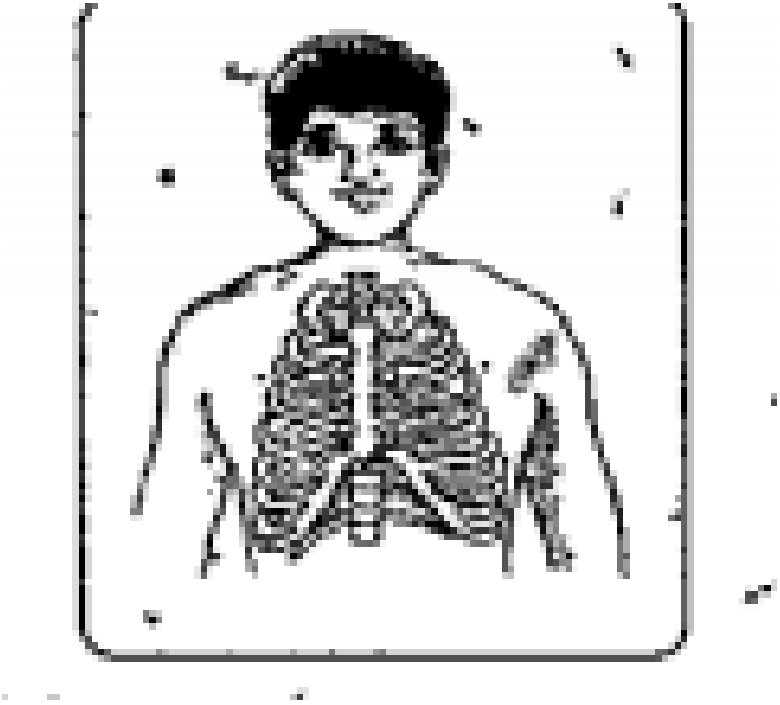
140. Identify the picture.



A. Lungs

B. Ribs

C. Rib cage

D. Both A and C

Answer: C

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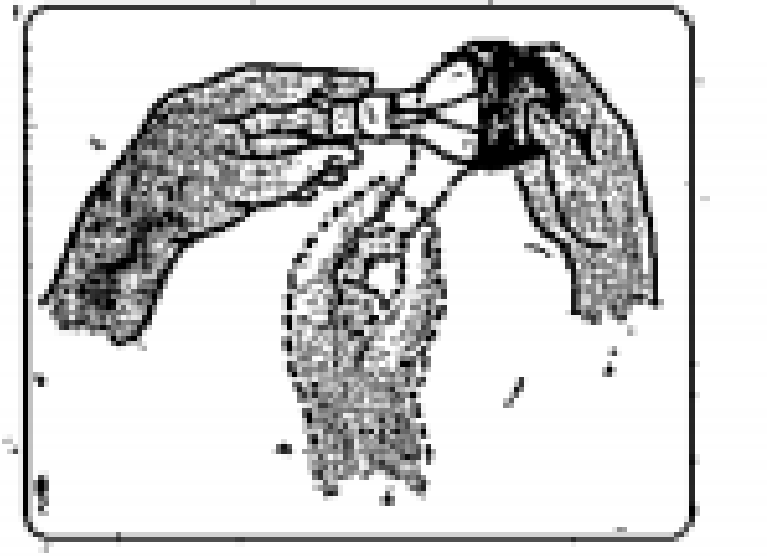
141. The activity done in the picture resembles ..... joint in our body.



A. Hinge

B. Ball and Socket

C. Pivot

D. All of the above

Answer: B

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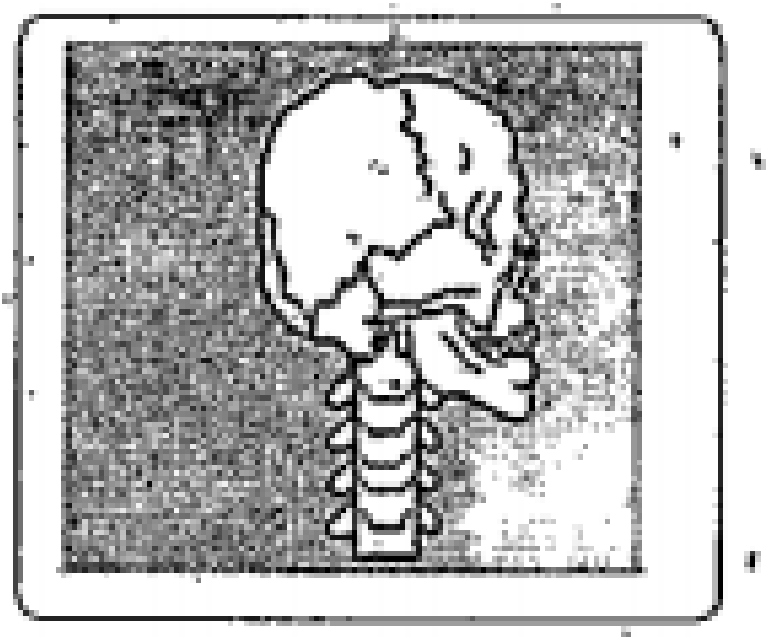
142. Identify the joint from picture given.



A. Pivot

B. Neck

C. Hinge

D. Pivot and neck

Answer: D

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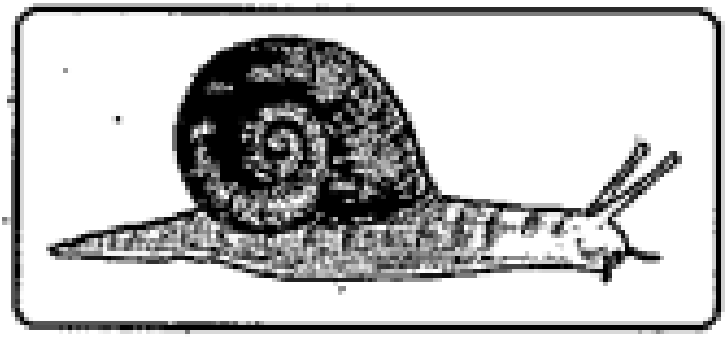
143. Identify the animal and part used for locomotion.



A. Cockroach, legs

B. Snake, body

C. Snail, foot with strong musle

D. Both B and C

Answer: C

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144. Bones are hard due to the presence of

A. Calcium

B. Silver

C. Phosphorus

D. Both A and C

Answer: D

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145. Smallest bone in the human body is

A. Femur

B. Stapes

C. Both A and B

D. Thigh bones

Answer: B

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146. The biggest muscle in the human body is

A. Gluteus - Maximus

B. Stapedius

C. Tendon

D. Clavicle

Answer: A

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147. The smallesy muscle in the human body is

A. Gluteus - Maximus

B. Stapedius

C. Tendon

D. Clavicle

Answer: B

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148. The reason behind different types of locomotions in the animals.

A. Food

B. Protection

C. Shelter

D. All of the above

Answer: D

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