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Cardiovascular System Worksheet

1. What is the kind of circulatory system found in the Phylum Chordata?

a) Open b) Closed

c) Semi-Circular d) Tubular

1. What is the difference between a closed and open circulatory system?

a) A closed system has blood b) A closed system doesn’t have blood

c) An open system has blood d) An open system has arteries

1. All animals listed below are in the phylum Chordata **except:**
2. Human
3. Bottlenose Dolphin
4. Horses
5. Spiders
6. What phylum is the *Limulidae* a part of?
7. Chordata
8. Nematoda
9. Arthropoda
10. Cnideria
11. What is the kind of system that meshes together the circulatory and digestive system called?
12. Closed
13. Gastrovascular
14. Open
15. Semi-circular
16. What is the definition of a *Coelom?*
17. A fluid filled body cavity
18. A hole in the brain of the leech
19. A red oxygen carrying pigment
20. A horse’s main artery
21. What are the names for the Garden Snail’s heart’s chambers?
22. Auricle and the Ventricle
23. Aorta and the Ventricle
24. Atria and the Ventricle
25. Pulmonary and Artery
26. How many hearts does the European Giant Squid have?
27. Three
28. One
29. Five
30. Twenty
31. Where is the heart of a spider located?
32. In its hind legs
33. In its abdomen
34. In its head
35. In its chest
36. What occurs in the Bottlenose Dolphins’ circulatory system during exercise or swimming in warm water?
37. Its heart stops
38. Its blood turns blue
39. Its circulation reverses
40. Its circulation changes to keep the dolphin’s body normal
41. Where can the North American Ragworm’s hearts be located?
42. Around its esophagus
43. In its head
44. Around its lower body
45. Behind its eyes
46. According to the chart for spiders, what is a sinus?
47. Another word for brain
48. An area near the spider’s nose
49. An area surrounding the internal organs
50. The spider’s heart chambers
51. Until what year does a horse’s heart start growing?
52. As soon as it’s born
53. As soon as it dies
54. When it is six
55. When it is four
56. What do the flagellated cells surrounding the Strawberry Vase Sponge do?

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1. What is the adhesive “foot” of a Sea Anemone called?
2. The Tongue
3. The Base Disk
4. The Foot
5. The Grip
6. What do all sponges have in common?
7. They are filter feeders
8. They are all blue
9. They all live in pineapples
10. They are all tube shaped
11. Is the Asian Forest Scorpion’s venom lethal?
12. Yes
13. No
14. All types below are kinds of horses except:
15. Hot blooded
16. Cold blooded
17. Warm blooded
18. Ice blooded
19. What do Black Widow Spiders do after mating?
20. Eat their mates
21. Eat their eggs
22. Kill themselves
23. None of the above
24. What is the definition of pseudocoelom?
25. A hole in the brain
26. A cavity in the Roundworm’s teeth
27. A disease carried by Roundworms
28. A body cavity near the epidermis
29. What is the process that dolphins use to find their prey?
30. Searching
31. Echolocation
32. Pod Hunt
33. Google
34. What is the main use of a jellyfish’s tentacles when eating?
35. Digesting food
36. Eating food
37. Capturing food
38. Expelling waste
39. The Tiger Flatworm is a hermaphrodite, meaning it
40. Has both male and female sex organs
41. Has two stomachs
42. Doesn’t have sex organs
43. Changed from Male to Female halfway through their lifespan
44. The Soybean Cyst Nematode is a parasite to what crop?
45. Corn
46. Soybeans
47. Carrots
48. Lettuce
49. What is the main function of a Horseshoe Crab’s tail?
50. To keep its balance
51. To paralyze prey
52. To flip itself over
53. To sense danger
54. The horse has a strong sense of what?
55. Fight-or-Flight
56. Smell
57. Hearing
58. Taste
59. About how long can the Asian Forest Scorpion grow to?
60. 100-200 mm
61. 200-300 mm
62. 300-400 mm
63. 400-500 mm
64. What are the tentacles of a sea anemone used for?
65. Eating
66. Digesting
67. Paralyzing
68. Expelling waste
69. How wide can Pillar Coral grow to?
70. 1 inch
71. 2 inches
72. 3 inches
73. 4 inches
74. What phylum is *Ascaris Lumbricoides* a member of?
75. Chordata
76. Cnidaria
77. Arthropoda
78. None of the above
79. What kind of circulatory system does the melon sea urchin have?
80. Open
81. Hemel
82. Closed
83. Gastrovascular
84. The melon urchin is commonly found off the coast of Alaska
85. True
86. False
87. What is the scientific name for the bottlenose dolphin?

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1. What is the average heart rate of a Horseshoe crab?
2. 32 beats per minute
3. 32 beats per second
4. 32 beats per hour
5. 32 beats per day
6. Where are Pacific Sea Nettle commonly found?
7. Alaska
8. Oregon
9. India
10. Russia
11. How many rings does the Hemel system consist of?
12. 1
13. 2100
14. 4
15. How far down into the ocean can the Royal Starfish be found?
16. 600 ft
17. 700 ft
18. 800 ft
19. 900 ft
20. How long can the Stovepipe Sponge grow to be?
21. 50 cm
22. 100 cm
23. 150 cm
24. 200 cm
25. Where does blood receive oxygen in the human cardiovascular system?
26. The brain
27. The lungs
28. The liver
29. The heart
30. What phylum are *Homo Sapiens* a part of?
31. Cnideria
32. Nematoda
33. Arthropoda
34. Chordata
35. List three animals in the phylum Arthropoda
36. How do Horseshoe Crabs swim?
37. Backwards
38. Right side up
39. Upside down
40. They don’t
41. What are Black Widow Spiders sometimes referred to as?
42. Death Spiders
43. Shoe button spiders
44. Red Spiders
45. Plague Spiders
46. Compared to males, how large can Black Widow spiders grow?
47. Twenty times larger
48. Thirty times larger
49. Fifty times larger
50. Ten times larger
51. What organ in the spider is the spider’s heart above?
52. The intestine
53. The lungs
54. The liver
55. The ovaries
56. Where does the dorsal vessel of a European Nightcrawler run?
57. Above the Brain
58. Above the lungs
59. Above the kidneys
60. Above the Digestive tract
61. Scorpions have arteries
62. True
63. False
64. Because a horse can be “Cold-blooded”, that means its reptilian
65. True
66. False
67. Dolphins are fish (Answer based on other animals in its phylum)
68. True
69. False
70. Black Widow Spiders are part of the Phylum Nematoda
71. True
72. False