

ANSWERS

INSECT CLASSIFICATION, IDENTIFICATION, ANATOMY AND DEVELOPMENT

Use the following Order names for the answers to questions 1 – 12

- A. Blattoidea
- B. Coleoptera
- C. Collembola
- D. Dermaptera

- E. Diptera
- F. Hemiptera
- G. Hymenoptera
- H. Isoptera

- I. Lepidoptera
- J. Orthoptera
- K. Siphonaptera
- L. Thysanura

1. L The Order of Silverfish is:
2. A The Order of Cockroaches is:
3. D The Order of Earwigs is:
4. A or H The Order of Termites is:
5. F The Order of Bed Bugs is:
6. B The Order of Beetles is:
7. I The Order of Butterflies and Moth is:
8. E The Order of Flies and Mosquitoes is:
9. K The Order of Fleas is:
10. G The Order of Bees, Wasps, Hornets, Ants, Yellow Jackets, and Horntails is:
11. C The Order of Springtails is:
12. J The Order of Grasshoppers is:

Use the following types of metamorphosis to answer questions 13 – 25

- A. Without Metamorphosis
- B. Gradual Metamorphosis

- C. Incomplete Metamorphosis
- D. Complete Metamorphosis

13. A What type of metamorphosis do Silverfish have?
14. B What type of metamorphosis do Cockroaches have?
15. D What type of metamorphosis do Beetles have?
16. D What type of metamorphosis do Fleas have?
17. B What type of metamorphosis do Termites have?
18. A What type of metamorphosis do Springtails have?
19. D What type of metamorphosis do Bees, Wasps, Hornets, & Ants have?
20. B What type of metamorphosis do Grasshoppers have?
21. D What type of metamorphosis do Flies and Mosquitoes have?
22. B What type of metamorphosis do Bed Bugs have?
23. D What type of metamorphosis do Butterflies and Moths have?
24. B What type of metamorphosis do Earwigs have?
25. C What type of metamorphosis do Dragonflies and Damselflies have?

INSECT CLASSIFICATION, IDENTIFICATION, ANATOMY AND DEVELOPMENT

Use these types of mouthparts of the following adult insects to answer questions 26 – 38

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| A. Chewing | C. Rasping-sucking | E. Siphoning |
| B. Piercing-sucking | D. Sponging | F. Chewing-lapping |

26. A What kind of mouthparts do Silverfish have?
27. A What kind of mouthparts do Cockroaches have?
28. F What kind of mouthparts do Bees and Wasps have?
29. E What kind of mouthparts do Butterflies and Moths have?
30. B What kind of mouthparts do Bed Bugs have?
31. B What kind of mouthparts do Mosquitoes have?
32. C What kind of mouthparts do Thrips have?
33. A What kind of mouthparts do Beetles have?
34. A What kind of mouthparts do Termites have?
35. A What kind of mouthparts do Earwigs have?
36. A What kind of mouthparts do Dragonflies and Damselflies have?
37. D What kind of mouthparts do Fruit flies have?
38. B What kind of mouthparts do Fleas have?

Use the following numbers of pair/s of wings to answer questions 39 – 50

39. 2 How many pairs of wings do Bees and Wasps have?
40. 2 How many pairs of wings do Beetles have?
41. 0 How many pairs of wings do Bed Bugs have?
42. 1 How many pairs of wings do Flies have?
43. 0 How many pairs of wings do Silverfish have?
44. 2 How many pairs of wings do Butterflies and Moths have?
45. 2 How many pairs of wings do Cockroaches have?
46. 0 How many pairs of wings do Springtails have?
47. 0 How many pairs of wings do Fleas have?
48. 2 How many pairs of wings do Termites have?
49. 2 How many pairs of wings do Earwigs have?
50. 1 How many pairs of wings do Mosquitoes have?

PESTICIDES

Use the following Classes of Pesticides to answer questions 51 – 100

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| <p>A. Botanical
B. Inorganic (mineral)
C. Synthetic pyrethroid
D. Organophosphate
E. Carbamate
F. Chlorinated hydrocarbons</p> | <p>G. Chloronicotines
H. Phenyl pyrazoles
I. Amidinohydrazones
J. Fumigants
K. Insect Growth Regulators
L. Fluoroaliphatic sulfonamides</p> | <p>M. Single-dose anticoagulants
N. Multiple-dose anticoagulants
O. Non-anticoagulant rodenticides
P. Pyrrol or pyrazole analog</p> |
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| <p>51. <u>C</u> Cypermethrin (Demon)
52. <u>D</u> Propetamphos (Catalyst)
53. <u>K</u> Fenoxycarb (Torus, Logic)
54. <u>E</u> Carbaryl (Sevin)
55. <u>D</u> Diazinon (Diazinon)
56. <u>C</u> Cyfluthrin (Tempo, CyKick)
57. <u>B</u> Boric Acid (Borid)
58. <u>C</u> Permethrin (Ultraban)
59. <u>D</u> Malathion (Malathion)
60. <u>N</u> Warfarin
61. <u>D</u> Isofenphos (Pryfon)
62. <u>K</u> Methoprene (Precor)
63. <u>D</u> Dichlorvos (DDVP)
64. <u>A</u> Abamectin (Avert)
65. <u>H</u> Fipronil (Termidor)
66. <u>I</u> Hydramethylnon (MaxForce)
67. <u>G</u> Imidachloprid (Premise)
68. <u>L</u> Sulfuramid (ProControl)
69. <u>D</u> Chlorpyrifos (Dursban)
70. <u>B</u> Silica Aerogel (Drione)
71. <u>M</u> Brodifacoum (Talon)
72. <u>C</u> Resmethrin (Respond)
73. <u>E</u> Bendiocarb (Ficam W)
74. <u>C</u> Lambda cyhalothrin (Demand CS)
75. <u>O</u> Bromethalin (Vengeance)
76. <u>E</u> Propoxur (Baygon)
77. <u>K</u> Hydroprene (Gentrol)
78. <u>B</u> Diatomaceous earth (Diatect)
79. <u>B/O</u> Zinc phosphide (ZP tracking powder)
80. <u>N</u> Diphacinone (Eaton's AC Formula 50)
81. <u>O</u> Cholecalciferol (Quintox)
82. <u>M</u> Bromodiolone (Maki)
83. <u>J</u> Sulfuryl fluoride (Vikane)
84. <u>F</u> Chlordane
85. <u>O</u> Strychnine
86. <u>J</u> Hydrogen phosphide (Phostoxin)
87. <u>F</u> Lindane
88. <u>D</u> Acephate (Orthene)
89. <u>B</u> Sodium Fluoride
90. <u>J</u> Methyl bromide (Metho-Gas)</p> | <p>91. <u>F & J</u> Paradichlorobenzene (moth balls)
92. <u>F</u> Heptachlor
93. <u>K</u> Hexaflumeron (Recruit)
94. <u>P</u> Chlorfenapyr (Phantom)
95. <u>K</u> Diflubenzuron (Advance)
96. <u>K</u> Pyriproxifen (Nylar)
97. <u>K</u> Noviflumeron (Recruit III)
98. <u>F</u> DDT
99. <u>J</u> Chloropicrin
100. <u>F</u> Aldrin</p> |
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