

Important Facts Important glands and corpuscles

| Glands/Corpuscles | Location | Functions |
|--------------------------------------|---|--|
| 1. Accessory glands | Male reproductive system | Activation and lubrication of sperms |
| 2. Accessory glands | Earthworm | Copulation |
| 3. Antennary (Green) glands | Crustaceans | Excretion |
| 4. Apical glands | Trematode larva | To dissolve tissue of secondary host |
| 5. Bartholin's gland | Female reproductive system | Lubrication of vagina during copulation |
| 6. Blood glands (red glands) | Earthworm | Synthesis of blood cells and haemoglobin |
| 7. Bowman's glands | Nasal chamber of man | To moisten nasal epithelium |
| 8. Brunner's glands | Submucosa of duodenum of mammals | Releasing of alkaline secretions (mucus) |
| 9. Bulbo-urethral (Cowper's) glands | Human male | Lubricates urethra for semen in man |
| 10. Calciferous glands | Stomach of earthworm | To release calcareous fluid to neutralise acidity |
| 11. Cardiac glands | Cardiac stomach | To release of gastric juice |
| 12. Ceruminous (Wax) glands | Exterior auditory meatus of mammals | To release cerumin (ear wax) |
| 13. Chromaphil glands | Pharynx of earthworm | To release proteinase and mucus |
| 14. Ciliary glands (Glands of Moll) | Base of eyelashes of man | Lubrication of eye lashes |
| 15. Clitellar glands | Clitellum of earthworm | To secrete cocoon |
| 16. Collateral glands | 3 rd or 4 th abdominal segments of female cockroach | To secrete egg case of ootheca |
| 17. Conglobate (Phallic) glands | Near male genital aperture of male cockroach | To release musky odour for attraction of females and also secrete outermost layer of spermatophore wall. |
| 18. Corpuscula | Krause end bulbs | Sensitive to cold |

Important Facts Important glands and corpuscles

| | | |
|---|---|--|
| bulboidea | | (Thermoreceptors) |
| 19. Crop (modified oesophagus) | Birds | To secrete crop milk |
| 20. Crypt of Lieberkuhn | Ileum | To secrete succus entericus |
| 21. Cutaneous glands (epidermal glands) | Vertebrate skin | Modified for different functions |
| 22. Cystogenous glands | Cercaria larva of liver fluke | To secrete cyst |
| 23. Dogiel's corpuscles | Encapsulated sensory nerve ending | |
| 24. Ebner's (Serous) glands | On tongue | Secretions help to spread food over papillae |
| 25. Eccrine (coiled tubular sweat) glands | All over the body of man | For osmoregulation |
| 26. Ecdysal (Prothoracic) glands | Insects | Source of ecdysone for moulting |
| 27. Egli's glands | Ureter & renal pelvis | To release of mucus |
| 28. Femoral glands | Thigh of male lizard | To secrete calcareous spines that help in copulation |
| 29. Fundic (Gastric) glands | Fundus of stomach | To release gastric juice |
| 30. Gastric glands | <i>Refer fundic glands</i> | |
| 31. Genital corpuscles | Near external genitalia | Tangoreceptors |
| 32. Golgi-Mazzoni corpuscles | Finger tips and toes | Tangoreceptors |
| 33. Grandy's corpuscles | On bird's beak | Tangoreceptors |
| 34. Green glands | <i>Refer antennary glands</i> | |
| 35. Harderian glands | Vertebrate eye with functional nictitating membrane | |
| 36. Hedonic (Scent or Odoriferous) glands | Skin of few reptiles & all mammals | To attract opposite sex |
| 37. Herbst's corpuscles | Birds | Tangoreceptors |
| 38. Infraorbital glands | Below the eye ball of few mammals (e.g. Rabbit) | Acts as Salivary glands |
| 39. Inguinal (Perineal) | Cutaneous glands of | To attract opposite sex |

Important Facts Important glands and corpuscles

| | | |
|---------------------------------|--|---|
| glands | certain mammals (e.g. Rabbit) near genital organs | |
| 40. Ink glands | Cephalopod molluscs | To release ink during escape |
| 41. Internal salivary glands | Sublingual and submandibular glands of man | |
| 42. Intestinal glands | <i>Refer Crypts of Lieberkuhn</i> | |
| 43. Jacobson's organs | Amphibians and reptiles | Olfactoreceptors |
| 44. Key-retzius | Beak of certain aquatic birds | Resembling Pacinian |
| 45. Krause's glands | Tympanic cavity | To release mucus |
| 46. Labial glands | Inner lip surface of man | To secrete mucus |
| 47. Lachrymal (Tear) glands | Vertebrate eyes | Secrete tears. Nourish cornea |
| 48. Lymph glands | Alimentary canal of earthworm | To release phagocytes |
| 49. Mammary glands | Modified oil gland in Prototherians and modified sweat gland in higher mammals | For production of milk in females during lactation period |
| 50. Mantle gland | Mantle of mollusca | To secrete shell |
| 51. Mebomian glands | On the eye lids | To release oil |
| 52. Mehlis's glands | Surrounds ootype of trematode and cestode in the centre of ovarian complex | For lubrication of genital tract for passage of eggs |
| 53. Moll's glands | <i>Refer ciliary glands</i> | |
| 54. Mushroom (utricular) glands | Male cockroach | To secrete innermost layer of spermatophore and for nourishment and storage of sperms |
| 55. Odoriferous glands | <i>Refer Hedonic glands</i> | |
| 56. Optic glands | The brain of cephalopod mollusc | To release gonadotropic hormones |
| 57. Pacinian corpuscles | Near ligaments and tendons | Tangoreceptors |

Important Facts Important glands and corpuscles

| | | |
|---|--|--|
| 58. Palatine glands | Palate of mammals | To secrete mucus |
| 59. Parotid glands | Near tympanum of toad | To release poison |
| 60. Parotid glands | Salivary gland of mammals | Secrete saliva |
| 61. Penetration glands | Miracidium larva of flukes | To penetrate skin of sheep |
| 62. Phallic glands | <i>Refer conglobate gland</i> | |
| 63. Preening (Uropygeal) gland | Birds | Modified oil glands to make feathers water proof |
| 64. Prostate gland | Associated with male reproductive system. Also found in some annelids & molluscans | |
| 65. Prostomial gland | Leech | To secrete ootheca |
| 66. Pyloric gland | Pyloric part of stomach | To release mucus and gastric hormone |
| 67. Red gland | <i>Refer blood gland</i> | |
| 68. Salivary glands | <i>Refer internal salivary glands</i> | |
| 69. Scent (Odoriferous) glands | <i>Refer Hedonic glands</i> | |
| 70. Sebaceous glands | Mammalian skin | To release sebum |
| 71. Shell glands | Platyhelminthes | For secretion of shells and lubrication of genital tract |
| 72. Slime glands | Skin of hagfish | To release mucus |
| 73. Sublingual glands | Salivary gland seen below tongue | Release of saliva (5%) |
| 74. Submaxillary (Submandibular) glands | Salivary glands in angle of jaws | Release of saliva (75%) |
| 75. Subneural glands | <i>Herdmania</i> (Sea potato) | Excretory glands |
| 76. Sudoriferous glands | Sweat producing glands | |
| 77. Sweat glands | Skin | To produce sweat |
| 78. Tarsal glands | On tarsus of prototherians | To secrete poison |
| 79. Tear glands | <i>Refer lachrymal glands</i> | |
| 80. Unicellular glands | Cutaneous glands of fish | To form mucus |
| 81. Uropygeal gland | <i>Refer preening glands</i> | |

Important Facts Important glands and corpuscles

| | | |
|----------------------|---------------------------------|---|
| 82. Utricular glands | <i>Refer mushroom glands</i> | |
| 83. Zeis gland | Eyelashes follicles of Mammals | Modified sebaceous gland sensitive to allergens |
| 84. Zygomatic gland | <i>Refer infraorbital gland</i> | |

1.