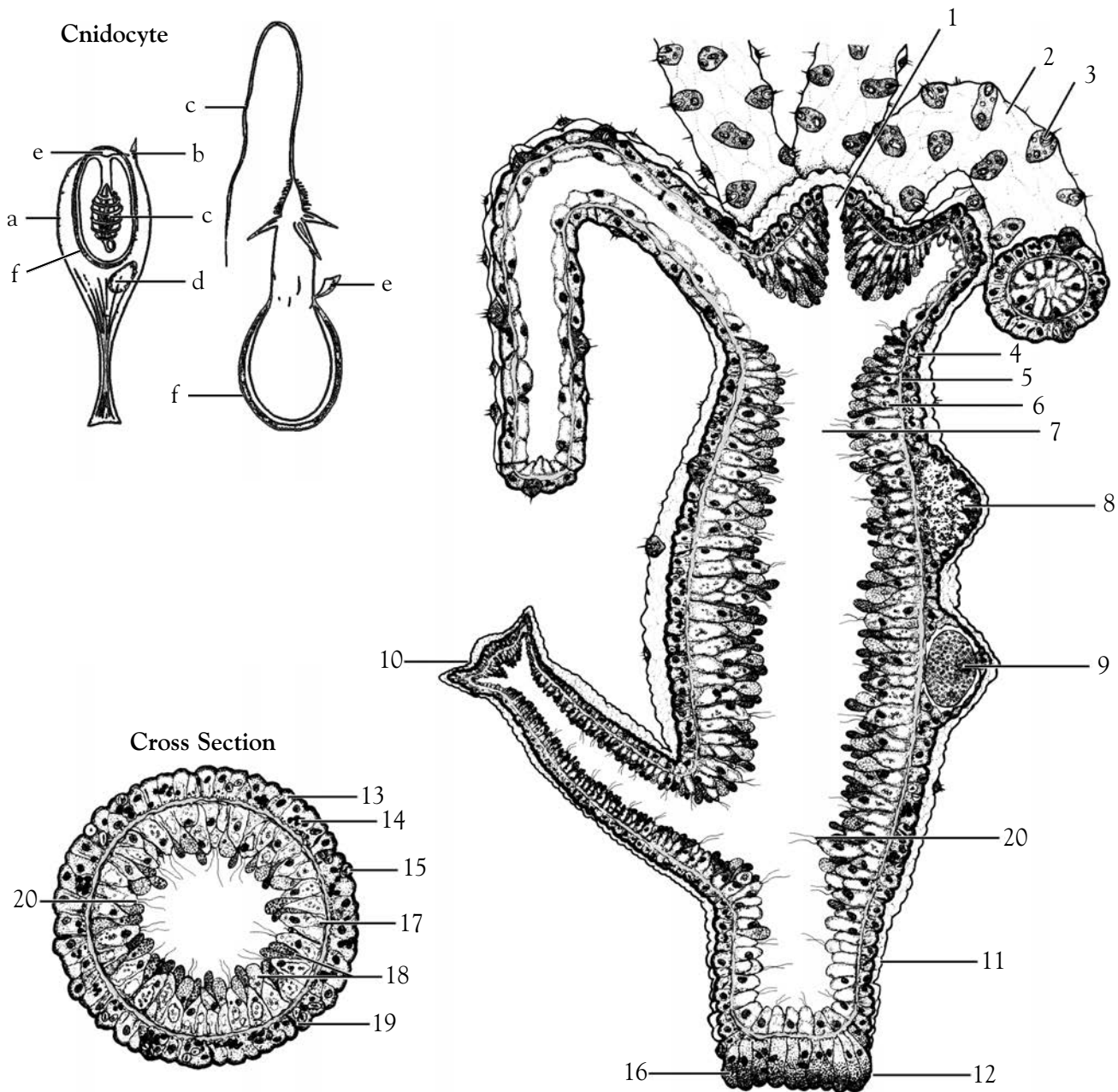


Hydrozoa Anatomy



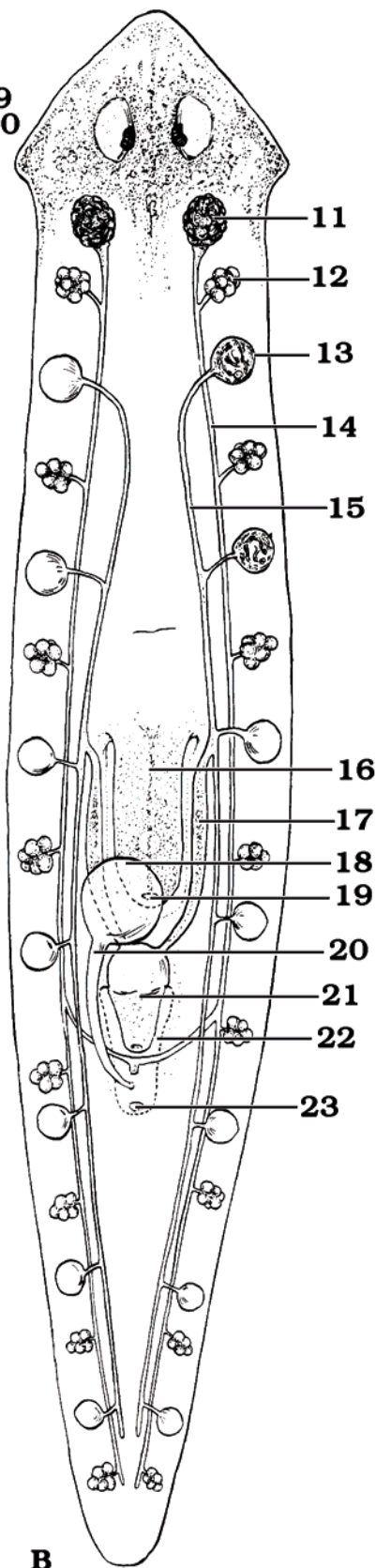
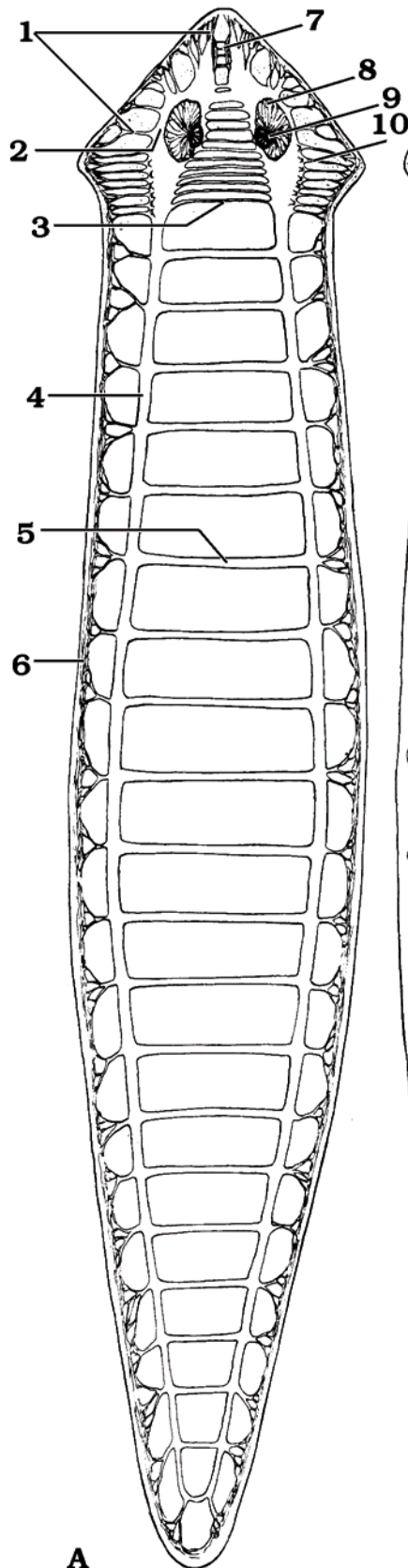
1. Mouth
2. Tentacle
3. Nematocyst battery
4. Epidermis
5. Mesoglea
6. Gastrodermis
7. Gastrovascular cavity
8. Testis
9. Ovary
10. Bud

11. Stalk
12. Foot
13. Epitheliomuscular cell
14. Interstitial cell
15. Cnidoblast
16. Glandulomuscular cell
17. Nutritive cell
18. Gland cell
19. Sensory cell
20. Cilia

- Cnidocyte (before and after discharge)
- a. Cnidoblast
 - b. Cnidocil
 - c. Thread tube
 - d. Nucleus
 - e. Cap
 - f. Nematocyst

PLANARIAN ANATOMY

Nervous and Reproductive Systems



A. Nervous system

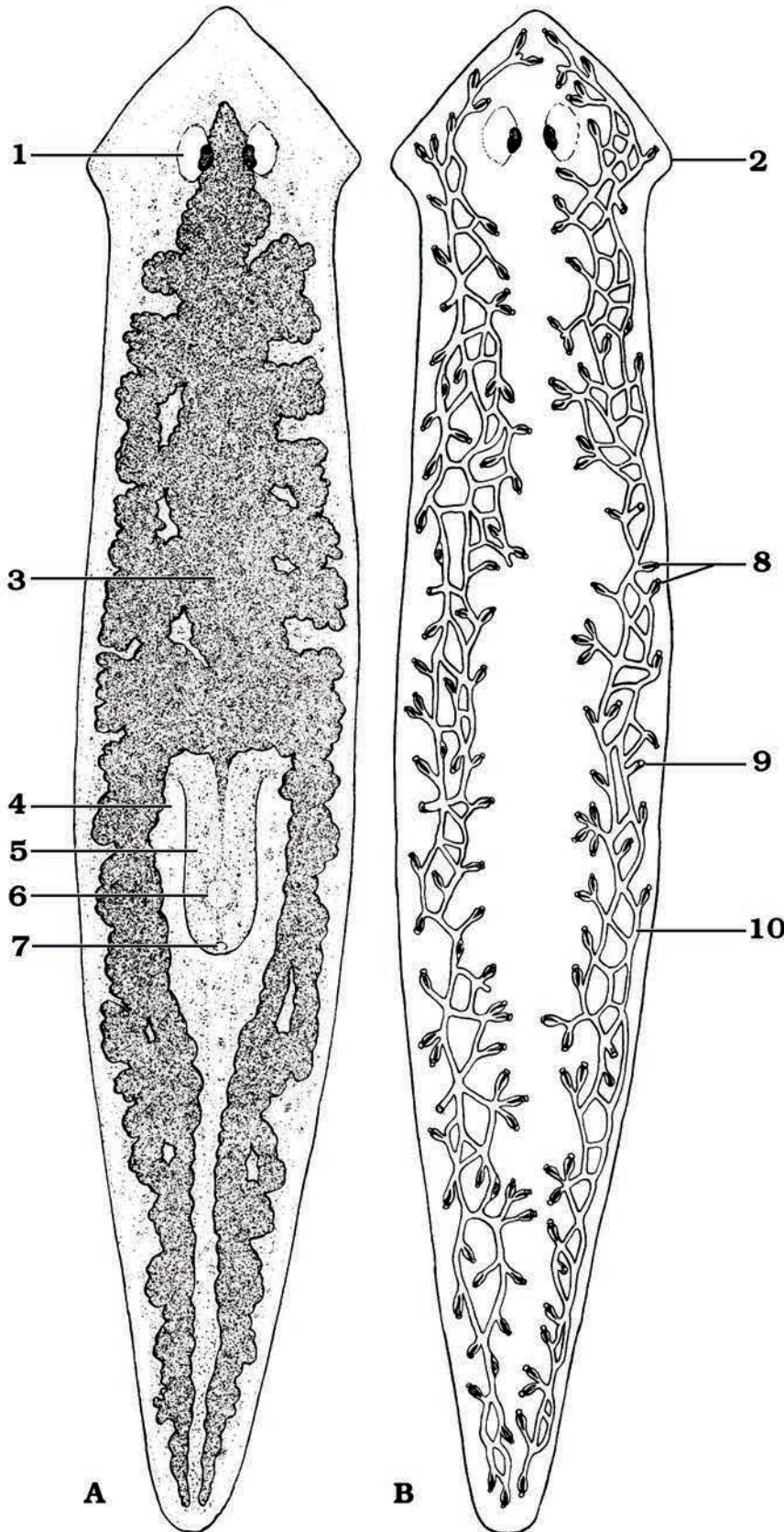
1. Main sensory brain nerves
2. Brain
3. Dorsal commissure between ventral cords
4. Ventral nerve cord
5. Transverse commissure
6. Marginal plexus
7. Anterior continuation of ventral cords
8. Eye, nerve cells
9. Eye, pigment
10. Ventral sensory nerve

B. Reproductive system

11. Ovary
12. Yolk gland
13. Testis
14. Oviduct
15. Sperm duct
16. Pharynx
17. Spermiducal vesicle
18. Copulatory sac
19. Pharyngeal opening
20. Bursal canal
21. Penis papilla
22. Genital chamber
23. Genital pore

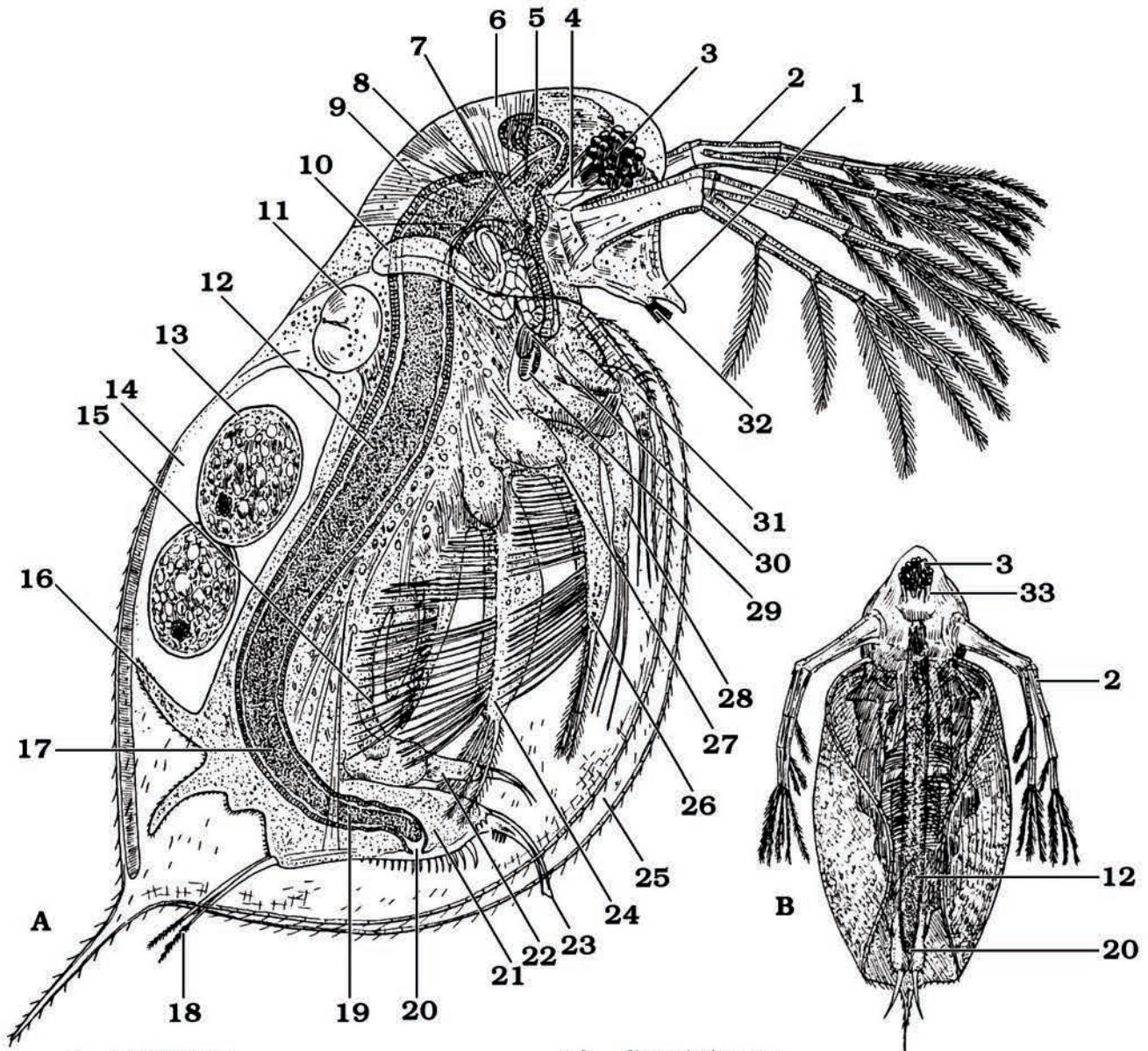
PLANARIAN ANATOMY

Digestive and Excretory Systems



- 1. Eye
- 2. Auricle
- A. Digestive system, triclad
- 3. Intestine
- 4. Pharyngeal cavity
- 5. Pharynx
- 6. Pharyngeal opening
- 7. Mouth
- B. Excretory system
- 8. Flame cell
- 9. Excretory pore
- 10. Excretory tubule

DAPHNIA ANATOMY



- | | |
|-------------------------------|------------------------------------|
| 1. Rostrum | 18. Caudal seta |
| 2. Exopodite of antenna | 19. Hindgut |
| 3. Compound eye | 20. Anus |
| 4. Supraesophageal ganglion | 21. Abreptor |
| 5. Right midgut caecum | 22. Trunk appendage V, medial lobe |
| 6. Antenna abductor muscle 1 | 23. Caudal furca |
| 7. Esophagus | 24. Trunk appendage IV, endite |
| 8. Antenna abductor muscle 2 | 25. Carapace |
| 9. Antenna levator muscle | 26. Trunk appendage III, endite |
| 10. Shell gland | 27. Metepipodite |
| 11. Heart | 28. Trunk appendage II |
| 12. Intestine | 29. 1st maxilla |
| 13. Egg | 30. Mandible |
| 14. Brood sac or chamber | 31. Trunk appendage I |
| 15. Roof of food groove | 32. Chemosensory setae |
| 16. Median dorsal process | 33. Eye muscle |
| 17. Midgut, posterior portion | |