



# Chapter 6 Ctenophora

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# 6.1 Morphology

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## 6.1.1 External morphology

- 1 Body form and wall
- 2 Tentacle and colloblast
- 3 Comb plates

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## 6.1.2 Internal morphology

### 1 Gastrovascular system

mouth → stomodaeum → stomach → eight canals

Pharyngeal canal

Transverse canal

Interradial canal

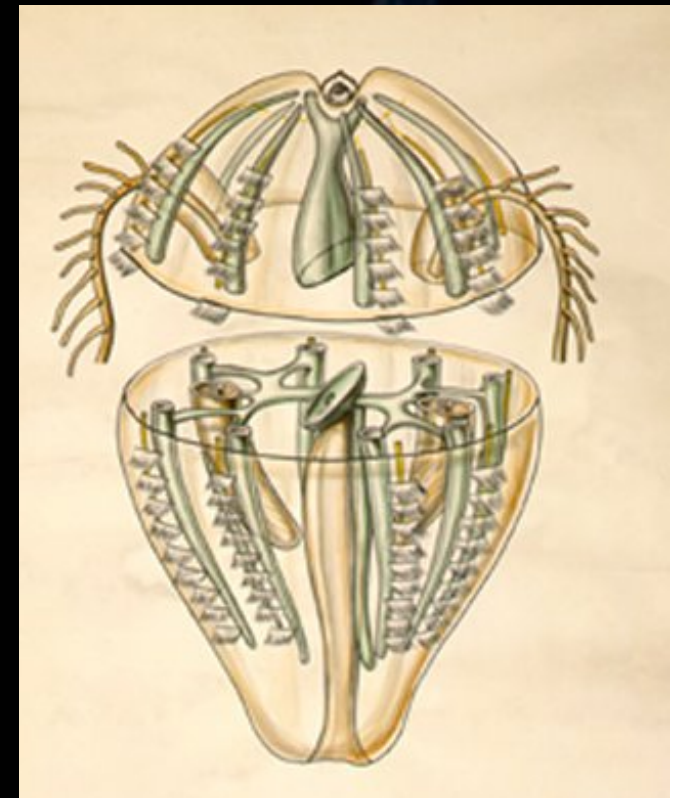
纵辐管 (— — canal)

Meridional canal

Tentacular canal

Aboral canal

Anal canal



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- **2 Muscle**

**differentiation of muscle fibers**

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- **3 Nervous system and sensory organ**

**apical organ**

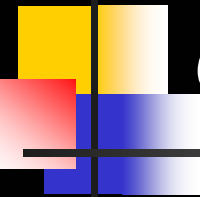
- **4 Reproduction**

**hermaphroditic**

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## 6.2 Classification

- 6.2.1 Class Nuda  
Order Beroida



瓜水母

*Beroe cucumis*

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## 6.2.2 Class Tentaculata

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- Order Cydippida

  - Family Pleurobrachidae

    - Pleurobrachia: P. globosa*

    - Euchlora: E. rubra*

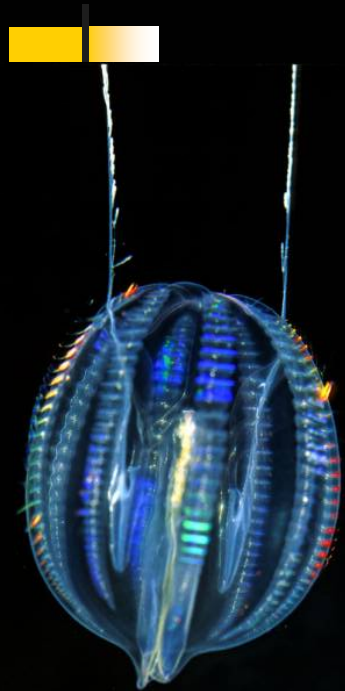
- Order Lobata

  - Family Ocyropsidae

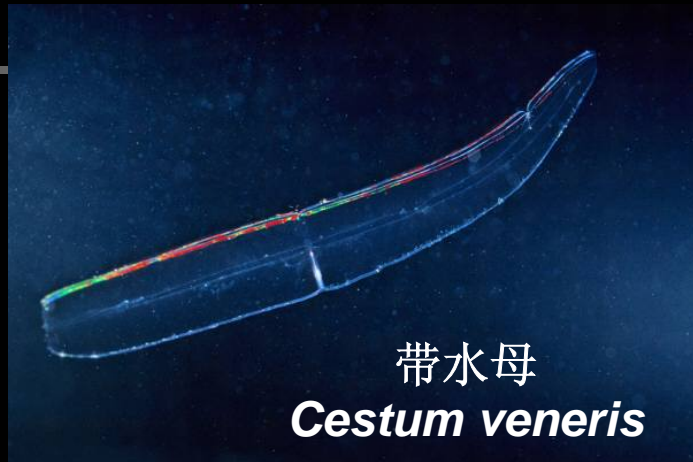
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侧腕水母  
*Pleurobrachia sp*



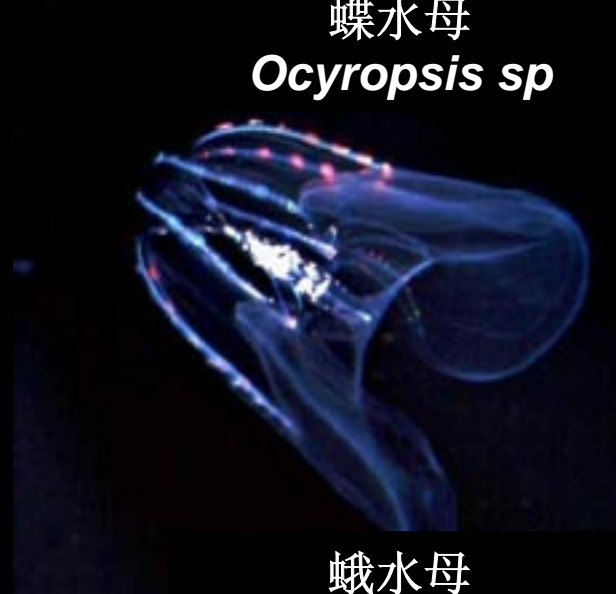
带水母  
*Cestum veneris*



蝶水母  
*Ocyropsis sp*



瓣水母  
*Mnemiopsis sp*



蛾水母  
*Bolinopsis sp*

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## 6.3 Biology and Significance

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- Distribution
- Feeding habits
- Bioluminescence
- Symbiosis and regeneration

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