

Cnidarians

Domain - Eukaryote

Kingdom - Animalia

Phylum - **Cnidaria**

Class – Hydrozoa

ID - Hydra

ID - Gonionemus “Medusa jellyfish”

ID - Obelia “Polyp”

ID - Physalia also called “man-o-war”

Class – Scyphozoa

ID – Aurelia also called “moon jellyfish”

Class – Anthozoa

ID - Metridium (sea anemone)

ID - Corals

Additional Notes:

Phylum name means – “jellyfish”

Habitat – Completely marine organisms

Coelom - Acoelomate

Symmetry / Body Plan – radially symmetrical

- Two stages of development; 1. Medusa 2. Polyp

Cellular Organization – lack organs, but have tissue level & cellular level organization

- Specialized cells = Cnidocytes & Nematocyst

Reproduction – both sexual and asexual reproduction

Digestion – is accomplished using a gastrovascular cavity and a gastrodermis.

Circulation – no defined circulatory system, movement of nutrition is cellular activity.

Nervous system – contain a loose arrangement of nerves that run throughout the entire body.

- Specialized sensory structures = Rhopalium & Statocyst.

Key characteristics / special adaptations / unique feature

- Adaption = tentacles

- 2 types of polyps/ buds

1. Hydranth

2. Gonangium