



What is a Cnidarian?

Directions: Use textbooks, encyclopedias, and other science books to fill in the specific characteristics of Cnidarians.

Characteristic	Cnidarian Characteristics
Symmetry	RADIAL (Symmetric around central point)
Segmentation	NONE
Body Cavity	NONE - 2 tissue layers (Endoderm + Ectoderm)
Nervous System	YES - Nerve NET (Simple connection of nerve cells)
Reproduction	Sexual/asexual *regenerate (Budding) Body parts
Digestion	1 opening (mouth + anus) to gastrovascular cavity
Circulatory System	NONE → excretes wastes through body cells
Muscular and Skeletal System ↳ endoderm/ectoderm ↓ NONE	*muscle cells contract to (endofecto) propel movement * NEMATOCYSTS *
Body Shape (sketch)	MEDUSA Stage  POLYP Stage 
Examples:	
<ul style="list-style-type: none"> • Hydra (freshwater) • Jellyfish • Corals • Sea anemones 	