

Free download Sponges and cnidarians answer Full PDF

cnidarian any member of the phylum cnidaria coelenterata a group of more than 9 000 species of mostly marine animals the group includes corals hydras jellyfish portuguese men of war sea anemones sea pens sea whips and sea fans learn more about cnidarians in this article the sponges and the cnidarians represent the simplest of animals sponges appear to represent an early stage of multicellularity in the animal clade although they have specialized cells for particular functions they lack true tissues in which specialized cells are organized into functional groups cnidarians cnidarians are invertebrates such as jellyfish and corals they belong to the phylum cnidaria all cnidarians are aquatic most of them live in the ocean cnidarians are a little more complex than sponges they have radial symmetry and tissues there are more than 10 000 cnidarianspecies they are very diverse as shown in figure below cnidarians represent a more complex level of organization than porifera they possess outer and inner tissue layers that sandwich a noncellular mesoglea cnidarians possess a well formed digestive system and carry out extracellular digestion the cnidocyte is a specialized cell for delivering toxins to prey as well as warning off predators both cnidarians and ctenophores are more complex than sponges as they have cells bound by inter cell connections and carpet like basement membranes muscles nervous systems and some have sensory organs cnidarians are distinguished from all other animals by having cnidocytes that fire harpoon like learning objectives by the end of this section you will be able to do the following compare structural and organization characteristics of porifera and cnidaria describe the progressive development of tissues and their relevance to animal complexity identify the two general body forms found in the cnidaria the sponges and the cnidarians represent the simplest of animals sponges appear to represent an early stage of multicellularity in the animal clade although they have specialized cells for particular functions they lack true tissues in which specialized cells are organized into functional groups the sponges and the cnidarians represent the simplest of animals sponges appear to represent an early stage of multicellularity in the animal clade although they have specialized cells for particular functions they lack true tissues in which specialized cells are organized into functional groups learning outcomes identify common structural and organizational characteristics of the phylum cnidaria phylum cnidaria includes animals that exhibit radial or biradial symmetry and are diploblastic meaning that they develop from two embryonic layers ectoderm and endoderm nearly all about 99 percent cnidarians are marine species cnidarian or coelenterate any of about 9 000 species of mostly marine aquatic invertebrates constituting the phylum cnidaria or coelenterata that are unique in possessing specialized stinging cells cnidocytes borne on the tentacles cnidar i ans are ra di ally or bi ra di ally sym met ric a gen eral type of sym me try be lieved prim i tive for eu meta zoans they have achieved the tis sue level of or ga ni za tion in which some sim i lar cells are as so ci ated into groups or ag gre ga tions called tis sues but true or gans do not

occur study with quizlet and memorize flashcards containing terms like what kind of animal are cnidarians give examples of cnidarians describe where cnidarians live and more cnidarians are named for specialized cellular scale structures that they bear called cnidae cnidae perform a variety of functions some of these cnidae are called nematocysts which function much like harpoons and are used to deliver venom either to capture prey or for defense against enemies cnidarians were the first animals to have muscles and nerves to produce behavior they were also the first to have a mouth and stomach to digest food we learn about nematocysts when we watch an anemone catching a goby and two anemones fighting cnidarians come in various body shapes and have different ways of living 7 3 reading cnidarians this laboratory exercise covers the following animals you should learn this classification scheme and be able to classify the animals into these categories some examples of cnidarians are hydras jellyfishes corals sea anemones and portuguese man of wars study with quizlet and memorize flashcards containing terms like sponges are members of what phylum what type of symmetry do sponges show what type of cell in the sponge is able to move between the body layers to deliver oxygen and nutrients to all cells and more updated on july 12 2019 the cnidaria cnidaria spp is the phylum of animals that contains corals jellyfish sea jellies sea anemones sea pens and hydrozoans cnidarian species are found throughout the world and are quite diverse but they share many similar characteristics what s the flow speed a 0.24 m/s b 0.37 m/s c 0.49 m/s d 0.67 m/s verified answer biology discuss how temperature influences phenotypic expression verified answer what are the five classes of cnidarians and their identifying characteristics anthozoa are sea anemones corals hydrozoa are hydra portuguese man o war scyphozoa are jellyfish cubozoa are box jellies and staurazoa are star jellies

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both cnidarians and ctenophores are more complex than sponges as they have cells bound by inter cell connections and carpet like basement membranes muscles nervous systems and some have sensory organs cnidarians are distinguished from all other animals by having cnidocytes that fire harpoon

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learning objectives by the end of this section you will be able to do the following compare structural and organization characteristics of porifera and cnidaria describe the progressive development of tissues and their relevance to animal complexity identify the two general body forms found in the cnidaria

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learning outcomes identify common structural and organizational characteristics of the phylum cnidaria phylum cnidaria includes animals that exhibit radial or biradial symmetry and are diploblastic meaning that they develop from two embryonic layers ectoderm and endoderm nearly all about 99 percent cnidarians are marine species

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cnidarian or coelenterate any of about 9 000 species of mostly marine aquatic invertebrates constituting the phylum cnidaria or coelenterata that are unique in possessing specialized stinging cells cnidocytes borne on the tentacles

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cnidarians are radially or biradially symmetric a general type of symmetry believed primitive for eumetazoans they have achieved the tissue level of organization in which some similar cells are associated into groups or aggregations called tissues but true organs do not occur

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cnidarians are named for specialized cellular scale structures that they bear called cnidae cnidae perform a variety of functions some of these cnidae are called nematocysts which function much like harpoons and are used to deliver venom either to capture prey or for defense against enemies

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cnidarians were the first animals to have muscles and nerves to produce behavior they were also the first to have a mouth and stomach to digest food we learn about nematocysts when we watch an anemone catching a goby and two anemones fighting cnidarians come in various body shapes and have different ways of living

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7 3 reading cnidarians this laboratory exercise covers the following animals you should learn this classification scheme and be able to classify the animals into these categories some examples of cnidarians are hydras jellyfishes corals

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updated on july 12 2019 the cnidaria cnidaria spp is the phylum of animals that contains corals jellyfish sea jellies sea anemones sea pens and hydrozoans cnidarian species are found throughout the world and are quite diverse but they share many similar characteristics

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what are the five classes of cnidarians and their identifying characteristics
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scyphozoa are jellyfish cubozoa are box jellies and staurazoa are star jellies

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