**Sponge and Cnidarian Internet Activity**

**Introduction:** Scientists have identified and named more than 1.8 million species of animals.  It is estimated that there are another 3 million to 30 million more to identify.  Animals are classified into two major groups; vertebrates and invertebrates.  Invertebrates are classified as animals without a backbone and make up about 97% of all animal species.

**Task:**  Follow the hyperlinks below to answer the following questions.

[**Sponges:**](http://www.enchantedlearning.com/subjects/invertebrates/sponge/)

1. What Kingdom and Phylum do sponges belong to?
2. List four different Classes of sponges.
3. How many known species of sponges are there?
4. List five different body shapes that sponges can have.
5. What do sponges eat?
6. How do sponges eat?
7. What is the name of the specialized cell where food is collected?
8. Define Benthic.

[Sketch this](http://www.enchantedlearning.com/subjects/invertebrates/sponge/label/)

9.  Sketch and label the sponge’s external anatomy.

10.  Define osculum.

[Define](http://www.oceanicresearch.org/education/wonders/sponges.html)   
11. Define Porifera.   
12. What are the two species of sponges pictured (common name)?

[**Cnidarians**](http://www.ucmp.berkeley.edu/cnidaria/cnidaria.html)**:**

13.   Where does the word Cnidarian come from and what does it mean?   
14.    Name the 4 major groups of Cnidarians and list an example of each.   
15.   Click on the links of each of the 4 groups of Cnidarians and sketch one example animal from each group.

[Questions 16-21](http://www.oceanicresearch.org/education/wonders/cnidarian.html)   
16.  Why are Cnidarians considered simple but deadly?   
17.   List the two different body types of Cnidarians and sketch an example of each.   
18.   What is the coiled thread-like stinger that all Cnidarians have called?   
19.   Describe how the stinger protects the animal.   
20.  Are Cnidarians deadly to humans? Why or why not?   
21.   Name three species of Cnidarians pictured (common name).

[Coral Reef](http://www.enchantedlearning.com/biomes/coralreef/coralreef.shtml)   
22.   What is a coral reef?   
23.   List seven examples of organisms that are sheltered by coral reefs.   
24.   What are the two types of coral?  List an example of each.   
25.   Where are coral reefs found in the world?   
26.   Describe a Fringing Reef.   
27.   Describe a Barrier Reef.   
28.   Describe a Carol Atoll.   
29.   How are coral reefs in danger?