Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_ Block\_\_\_\_\_\_\_\_

ROUNDWORMS WEBQUEST

⇒ http://animaldiversity.ummz.umich.edu/site/accounts/information/Nematoda.html

1) List five features of nematodes.

a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Describe how nematodes move.

3) Describe what male nematodes use their copulatory spikes for.

4) What ecological roles do free-living nematodes play?

⇒ http://www.ucmp.berkeley.edu/aschelminthes/aschelminthes.html

5) What groups did nematodes originally belong to?

6) What do free-living nematodes feed on?

7) Why were aschelminths originally referred to as pseudocoelomates?

8) Why is the pseudocoelomate cavity not considered a true coelom?

9) Describe what cryptobiosis is. Why would this be a beneficial ability to have?

⇒ http://nematode.unl.edu/wormgen.htm

11) What does "tube within a tube" mean?

12) Where was the largest nematode found & how long was it?

**Putting It All Together**

⇒ Complete the following table comparing flatworms, roundworms and segmented worms. **http://animaldiversity.ummz.umich.edu/platyhelminthes.html http://animaldiversity.ummz.umich.edu/nematoda.html http://animaldiversity.ummz.umich.edu/annelida.html http://www.infoplease.com/dk/science/encyclopedia/worms.html http://staff.tuhsd.k12.az.us/gfoster/standard/bworm.htm**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description**  | **Flatworm**  | **Roundworm** | **Segmented worms** |
| What is the scientific name of the phylum?  |  |  |  |
| Give a brief description of key features of the worm type.  |  |  |  |
| How does this worm reproduce?  |  |  |  |
| Does this worm have a true coelom, psuedocolem or no coelom?  |  |  |  |
| What type of circulatory system does this worm have?  |  |  |  |
| What is an example of this type of worm? (Scientific and common name) |  |  |  |