Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Worms**

1. Worms are classified into three major phylums:

[](http://www.google.com/imgres?imgurl=https://classconnection.s3.amazonaws.com/791/flashcards/520791/jpg/thumbnail_(3)1325895552399.jpg&imgrefurl=https://www.studyblue.com/notes/note/n/arthropods-molluscs-annelids/deck/6227254&h=181&w=300&tbnid=sDwFK1pez8QhjM:&zoom=1&q=segmented+worm&docid=gZ8QYqK5NFIGFM&ei=eIW-VIH_OYSgyASbnoKQCg&tbm=isch&ved=0CIQBEDMoSDBI)

[](http://www.google.com/imgres?imgurl=http://www.ecospark.ca/sites/default/files/currents/images/Flatworm.jpg&imgrefurl=http://www.ecospark.ca/changingcurrents/flatworm&h=360&w=480&tbnid=qBCnSmi2P6VZSM:&zoom=1&q=flat+worm&docid=iX3k0bSGprR-nM&ei=QYW-VNnnDMyLyATtoYAQ&tbm=isch&ved=0CDoQMygHMAc)

[](http://www.google.com/imgres?imgurl=https://monstersandmolecules.files.wordpress.com/2014/03/ascarislumbricoideslined.jpg&imgrefurl=https://monstersandmolecules.wordpress.com/2014/04/01/the-giant-roundworm/&h=348&w=419&tbnid=Zf1TsB1kW7txkM:&zoom=1&q=round+worm&docid=YACAYwDcGTb4iM&ei=HIW-VLv9EMqmyAS7sIKoBQ&tbm=isch&ved=0CDsQMygIMAg)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. All Worms:

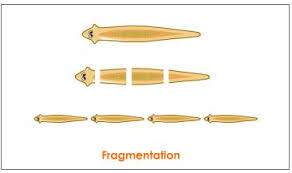


1. Reproduction

Many have separate \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ animals, like humans.

Some (most flatworms) have both male and female \_\_\_\_\_\_\_\_ organs and are known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Some reproduce asexually by breaking into pieces. This is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

[](http://www.google.com/imgres?imgurl=http://images.tutorvista.com/content/reproduction/ribbon-flat-worm-fragmentation.jpeg&imgrefurl=http://science9ldssblock1.wikispaces.com/Kandice%2B%2526%2BLiam's%2BScience%2BProject&h=217&w=366&tbnid=NbKlw3jmOMXRUM:&zoom=1&q=worm+fragmentation&docid=hqqwftguqMxHNM&ei=lYa-VKPlLtG2yASMoIHIDQ&tbm=isch&ved=0CBwQMygAMAA)

**Flatworms**

Examples of flatworms are:

1.

2.

3.

Draw a picture of all three in the boxes below.

|  |  |  |
| --- | --- | --- |
|  |  |  |

1. Common Characteristics:



1. **Planarians**

* Free-living flatworms
* Live in the water

Planarians are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that feed on dead or decaying material. They can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. They feed like a vacuum cleaner. They insert a feeding tube into prey, juices break down the prey and they suck up the partly digested food.

They have \_\_\_\_\_\_\_\_\_\_\_\_\_ that can detect light but not detail.

Their head has cells than can pick up odor so that they can locate \_\_\_\_\_\_\_\_\_\_\_\_.

1. **Tapeworms**



**Roundworms**

* Live in nearly any \_\_\_\_\_\_\_\_\_\_ environment
* Tiny and difficult to see, most \_\_\_\_\_\_\_\_\_\_\_ animal on earth
* Some are free-living and some are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Cylindrical bodies – like tiny strands of cooked spaghetti
* Digestive system is like a tube, open and both ends
  + Food enters the \_\_\_\_\_\_\_\_\_
  + Food is broken down by digestive juices
  + Digested food is absorbed by the body
  + Waste material exits at the far end of the tube called the \_\_\_\_\_\_\_\_\_

**Segmented Worms**

Examples of segmented worms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_

* Made up of many linked sections called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Have a long string of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ tissue called a nerve cord
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tube runs the length of the body

Circulatory System

* Have a closed circulatory system – \_\_\_\_\_\_\_\_\_\_\_ moves only within a connected network of tubes called blood vessels.
* Blood carries \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and food to cells
* Moves blood much more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_