Internet Activity - Worms

“The Adventures of Herman the Worm”

Use the following website - follow the prompts - answer the questions…..

<http://www.extension.illinois.edu/worms/>

Click on **History**:

1. Which settlers first brought worms to America?
   1. When?
   2. How did they bring them?
2. Name three harmful foreign insects.
3. Click on Japanese Beetle…. What kind of damage do they do?
4. What kind of fossil evidence is available to learn about worms?
5. What is a trace fossil?
6. Where were they found?
7. During what time period did annelids appear?

Click on **Family Tree**: Herman’s Family Tree…

1. What is the name of the Kingdom: \_\_\_\_\_
2. Name of Phylum: \_\_\_\_\_
   1. How many phyla are there?
   2. What do they all have in common?
3. Name of Class: \_\_\_\_\_
   1. How many classes are there?
   2. What is a main difference?
   3. What does the class name (# 10) mean?
4. Name of Order: \_\_\_\_\_
   1. How is this order identified?
5. Name of Family: \_\_\_\_\_
   1. What is a unique characteristic of this family?
6. Name of Genus:\_\_\_\_\_
7. Species name: \_\_\_\_
8. List at least two common names….
9. What is the scientific name of the earthworm that lives in your garden?

Click on **My Anatomy**:

1. The head end is called the \_\_\_\_\_.
2. The tail end is the \_\_\_\_\_.

Click on **My Body**:

1. Why is a worms’ body slimy?

Click on **Segments and Setae**:

1. The rings across the worm body are called \_\_\_\_\_.
2. Mature worms have \_\_\_\_\_ segments.
3. The bristles (small hairs) on a worm are called \_\_\_\_\_
4. How many pairs of setae are on each segment?

Click on **My Clitellum**:

1. On which end of the body does the clitellum form?

Click on **My Mouth**:

1. The flap of skin that hangs over the worms’ mouth is called the \_\_\_\_\_.

Click on **My 5 Hearts**:

1. What are the 5 hearts used for?

Click on **How I Move**:

1. Describe how a worm moves….

Click on **How I Digest**:

1. List three things worm can eat.
2. Describe how a gizzard works…..
3. Where does food go when it leaves the gizzard?

Click on **How I Breathe**:

1. How do worms breathe?

Click on **How I Reproduce**:

1. At what age does the clitellum form?
2. Where are sperm and egg deposited?
3. How big is a worm’s cocoon?
4. How many worms can one cocoon have?
5. How long before the baby worms hatch?

Click on **Light Sensitivity**:

1. How do worms tell the difference between light and dark?

Click on **Worm Deli:**

1. List 10 things worms like to eat.
2. List 5 things worms Do NOT like to eat.

Click on **Can’t Live Without Me**:

1. List three services worms provide for the environment….
2. How much fertilizer (castings) could 500,000 worms produce?

Click on **Worm Facts**:

1. How long was the largest earthworm ever found (in South Africa)?
2. How long did Charles Darwin study earthworms?
3. Describe the Australian Gippsland earthworm (length and weight).