As the worm squirms
Task: Draw a worm (any kind of worm)

- Label its parts.
- Identify characteristics: shape, color, size.
There are LOTS of different kinds of worms:

Image sources: DKfindout!; Wikipedia (Bipalium kewense); Science News; One World One Ocean; Scientific American (tapeworm); Hyman lab (Mark Leaver); Nikon Small World
Can you think of an animal that looks like a worm but isn’t?
These animals are *not* worms!

A worm snake!

An inchworm is a caterpillar!

A “woolly worm” is a caterpillar!

A caecilian (amphibian)

A millipede

A slug

Image sources: Virginia Herpetological Society; “What’s that bug?”; Pics4Learning; BBC, U Maine Extension
Scientists use CLASSIFICATION to give animals specific names.
Today we’ll talk about 3 phyla of worms

**Phylum:** one level of classification of living things.
<table>
<thead>
<tr>
<th></th>
<th>Flatworms</th>
<th>Roundworms</th>
<th>Segmented worms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Phylum</strong></td>
<td>Platyhelminthes</td>
<td>Nematoda</td>
<td>Annelida</td>
</tr>
<tr>
<td><strong>Body shape</strong></td>
<td>Flat/Oval</td>
<td>Round</td>
<td>Round</td>
</tr>
<tr>
<td>(cross section)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Digestive tract</strong></td>
<td>1 opening</td>
<td>2 openings</td>
<td>2 openings</td>
</tr>
<tr>
<td>(pharynx)</td>
<td>(pharynx)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Body pattern</strong></td>
<td>No segments</td>
<td>No segments</td>
<td>Segments</td>
</tr>
<tr>
<td><strong>Examples</strong></td>
<td>Planarian,</td>
<td>C. elegans</td>
<td>Earthworm</td>
</tr>
<tr>
<td></td>
<td>tapeworm</td>
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Image sources: Discover Magazine, Ars Technica, Dkfindout!
Congratulations! You’ve identified a new species of worm!

**Draw and Describe your worm. What type of worm is it? What phylum?**

Choices:  
- Flatworm (platyhelminthes)  
- Roundworm (nematoda)  
- Segmented worm (Annelida)
Any questions???