Actinomycetes
- Thermophilic and mesophilic
- Produce earthy smell
- Gram positive bacteria
- 1st level consumer

Springtail
- Arthropoda – Collombola
- 1st level consumer
- Jump
- Moist environments

Ants and termites
- Arthropoda – Insect
- Cool composting
- Wood breakdown
- Termites: 1st level
- Fomicid Ants: 3rd level consumer

Bacteria
- Bacteria
- Thermophilic, mesophilic, cool
- 1st level consumer
<table>
<thead>
<tr>
<th><strong>Earthworms</strong></th>
<th><strong>Red Worms</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Annelid</td>
<td>• Cool composting</td>
</tr>
<tr>
<td>• Digest organic matter</td>
<td>• Digest organic matter</td>
</tr>
<tr>
<td>• Produce castings rich in N, Ca, Mg, P</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Snails and Slugs</strong></th>
<th><strong>Roundworms</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Gastropods</td>
<td>• Nematode</td>
</tr>
<tr>
<td>• With and without shells</td>
<td>• Slender, many microscopic</td>
</tr>
<tr>
<td>• 1st level consumer</td>
<td>• 1st and 2nd level consume</td>
</tr>
<tr>
<td>• Cool</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Flatworms</strong></th>
<th><strong>Roundworms</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Flat, small</td>
<td>• Nematode</td>
</tr>
<tr>
<td>• 3rd level consumer</td>
<td>• Slender, many microscopic</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Flies</th>
<th>Protozoa</th>
<th>Fungi (mold, mildew)</th>
<th>Beetles</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Fruit fly</td>
<td>- Rotifer</td>
<td>- Microscopic Fungi</td>
<td>- Rove</td>
</tr>
<tr>
<td>- House fly</td>
<td>- Includes many cool, mesophilic, thermophilic microbes</td>
<td>- Cool, mesophilic, thermophilic</td>
<td>- Ground</td>
</tr>
<tr>
<td>- Maggots in mesophilic phase that did not go through thermophlic</td>
<td>- Rotifer small but not protozoa</td>
<td>- 1st level consumer</td>
<td>- Feathery winged</td>
</tr>
<tr>
<td>- Fruit flies, fungus gnats, house flies</td>
<td>- 2nd level consumer</td>
<td>- Arthropoda-Insecta</td>
<td>- 3rd level consumer</td>
</tr>
<tr>
<td>- 1st level consumer</td>
<td></td>
<td>- Mesophilic to cool</td>
<td>- Feed on fungal spores, and other smaller invertebrates</td>
</tr>
</tbody>
</table>
| **Pseudoscorpion** | - Arthropoda – arachnid  
- 3rd level consumer  
- Overwinter in silken cocoons |
|--------------------|------------------------------------------------------------------------|
| **Millipedes, Centipedes** | - Arthropoda – Myriapoda  
- Millipedes—2 pairs legs per segment  
- Centipedes—1 leg per segment  
- Centipede 3rd level  
Millipede 1st level |
| **Sow Bug** | - Arthropoda – Isopoda  
- Mesophilic  
- Ten pair of legs  
- First level consumer |
| **Mites** | - Arthropoda – Arachnids  
- 8 legs  
- 1st through 3rd level consumer |