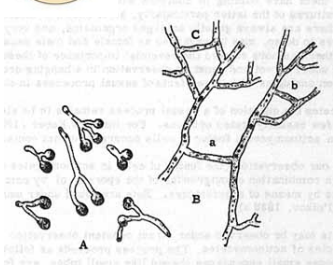


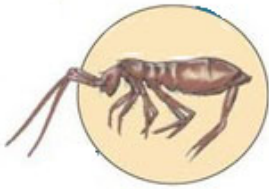


## Actinomycetes



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

## Springtail



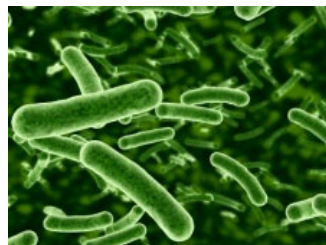
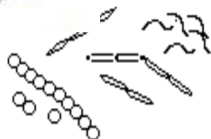
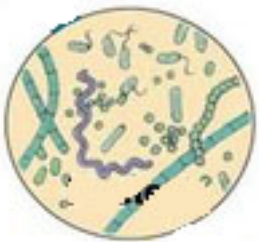
- Arthropoda – Collembola
- 1st level consumer
- Jump
- Moist environments

## Ants and termites



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

## Bacteria

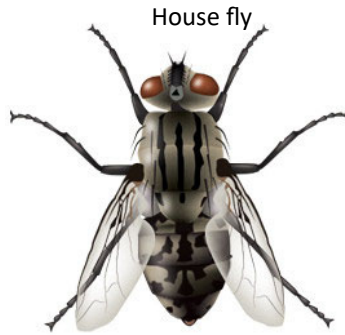


- Bacteria
- Thermophilic, mesophilic, cool
- 1st level consumer

## Flies



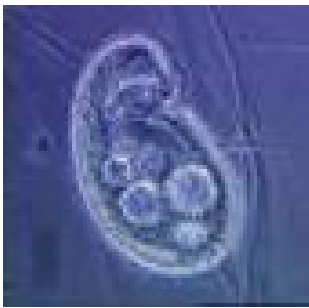
Fruit fly



House fly

- Arthropoda-Insecta
- Maggots in mesophilic phase that did not go through thermophilic
- Fruit flies, fungus gnats, house flies
- 1st level consumer

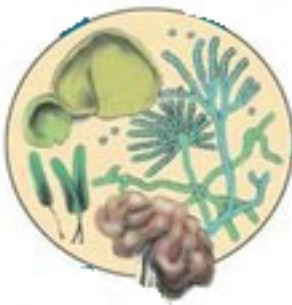
## Protozoa



Rotifer

- Includes many cool, mesophilic, thermophilic microbes
- Rotifer small but not protozoa
- 2nd level consumer

## Fungi (mold, mildew)



- Microscopic Fungi
- Cool, mesophilic, thermophilic
- 1st level consumer

## Beetles



Rove



Ground



Feathery winged

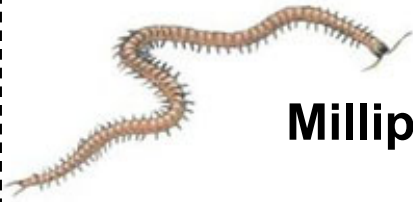
- Arthropoda-Insecta
- Mesophilic to cool
- Feed on fungal spores, and other smaller invertebrates
- 3rd level consumer

## 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 consumer

## Sow Bug



- Arthropoda-Isopoda
- Mesophilic
- Ten pair of legs
- First level consumer

## Mites



- Arthropoda - Arachnids
- 8 legs
- 1st through 3rd level consumer





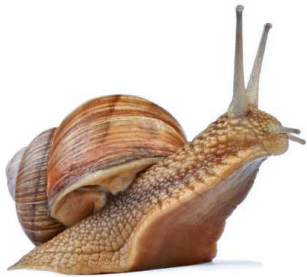
Red Worms

## Earthworms



- Annelid
- Cool composting
- Digest organic matter
- Produce castings rich in N,Ca, Mg, P

## Snails and Slugs



- Gastropods
- With and without shells
- 1st level consumer
- Cool

## Roundworms



- Nematode
- Slender, many microscopic
- 1st and 2nd level consume

## Flatworms



- Flat , small
- 3rd level consumer