Arthropods Live in the Soil!

DIY: Catching Arthropods - Berlese-Tullgren Funnel

What you need:

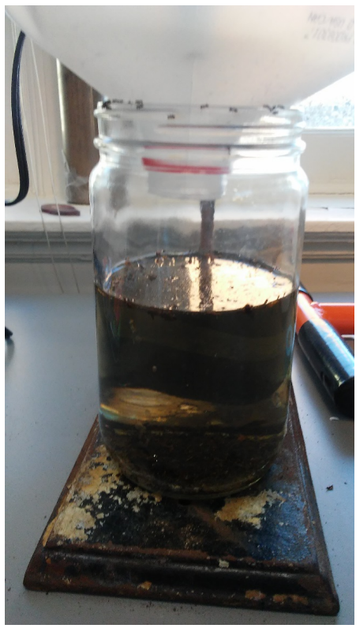
- Leaf litter
- Milk jug
- Wire mesh
- Light
- Jar

What to do:

- Make the funnel:
  - Cut the off the bottom of a milk jug and glue wire mesh on the inside
- Place a layer of leaf litter on the mesh
- Put the funnel over a jar
- Shine a light overhead overnight
- Look to see what critters crawled into the jar!









Monobella grassei (collembolan)



Campodea augens (dipluran)



Porcellio scaber (isopod)



Solenopsis sp. (ants)

Did you know…

1. There are over 1,000,000 species of arthropods; they come in various shapes and sizes.
2. Arthropods are instrumental in accelerating decomposition.
3. They play a key role in the soil food web - lots of organisms eat them, and they eat lots of organisms!

Orgiazzi, A., Bardgett, R.D., Barrios, E., Behan-Pelletier, V., Briones, M.J.I., Chotte, J-L., De Deyn, G.B., Eggleton, P., Fierer, N., Fraser, T., Hedlund, K., Jeffery, S., Johnson, N.C., Jones, A., Kandeler, E., Kaneko, N., Lavelle, P., Lemanceau, P., Miko, L., Montanarella, L., Moreira, F.M.S., Ramirez, K.S., Scheu, S., Singh, B.K., Six, J., van der Putten, W.H., Wall, D.H. (Eds.), 2016, Global Soil Biodiversity Atlas. European Commission, Publications Office of the European Union, Luxembourg. 176 pp.