

Name:

Assignment #:

Da Vinci Middle School GK-12 Activity: Microscopy and Invertebrates

A. Counting, identifying and grouping microarthropods

- There are samples of invertebrates collected from mosses under the dissecting microscopes.
- In groups of 3, pick a microscope sample and use the keys to ID and find species richness and abundance. (Remember the difference?! If not ask Ms. Shortlidge or Mr. H...)

Microscope Number _____

Invertebrate Type	Total #	# Types	Abundance*
Hexopoda (Collembola)			
Acari (Mites -Arachnida)			
Araneae(Spiders-Arachnida)			
Tardigrades (Water bears)			
Opiliones (Harvestmen)			
Nemadoda (Nematodes)			
Myriapoda (Mili/Centipedes)			
Isopoda (Isopods)			
Annelida (Earthworms)			
Gastropoda (Snails/Slugs)			
Ants			
Beetles			
Aphids			
Other Insecta			
TOTAL			

***Abundance:** (Take total number of invertebrates found and divide each invertebrate type total by the total number of invertebrates counted to get a percent (%)). **Example: You find 25 insects total, 4 of which were beetles - the beetle abundance is: $4/25 = .16$ or 16%**

Total Invertebrate Richness for your Microscope _____