

BIO 181
Discovery & Sci. Method I
Materials for Pill Bug & Sow Bug Experiments

Live Cultures – Pills bugs and Sow Bugs

Experimental Containers

Dissecting pans, approx. 7 x 11”
 Small white foam trays, approx. 5 x 7”
 2-Way choice chambers
 Plastic petri dishes

Tools

Magnifying lens	Forceps/tweezers	Pipettes	Misting bottle	Rulers, 6” & 12”
Thermometer	Scale	Weigh boats	Graduated Cylinders, 25 - 100 ml	Various sized beakers 100 -500 ml

Chemicals & Supplies

0.1M HCl (Acid)	0.1M NaOH	Cold pack	Lamp	Various light bubs
Cotton Balls	Aluminum foil	Roll of pH paper	Colored paper	Spoons/scoops
Window Screens & % Light Reduction Key	Filter paper, 9CM, fits petri dishes	Wooden blocks, various shapes		

Substrate Choices

Potting soil	Sand	Small rocks	Vermiculite	Leaf litter
Sphagnum Moss	Pine needles	Pine shavings	Cedar shavings	Corn Cob bedding

Food Choices

Potato	Apple	Orange	Banana
Cucumber	Lettuce	Red grapes	Grape Jelly
Applesauce	Instant potato flakes	Peanut butter	Vegetable oil
Sugar	Salt	Oatmeal	Flour
Canned tuna	Canned chicken		

For Make Up Module Students/Experiments, students can also incorporate other items commonly found around most households and yards into their Experimental design planning.