

LD-50 Lab with Blackworms



SET-UP AND BACKGROUND INFORMATION

Schedule



- Day 1 (Today): Lab set-up and background information
 - Case study for homework
- Day 2: Complete LD-50 lab with blackworms
- Day 3: Begin phytoremediation
- Day 4-5: Continue taking copper measurements
 - Finish follow-up lab questions

Directions



- Read the background information on *your LD-50 Lab for Blackworms* sheet

- Write down 2 initial questions you have about the lab
 - Example: “How much copper will kill some of the black worms?”

Directions



- Get 5 petri dishes from the counter and pre-label them with the following:
 - Group Name
 - Copper concentrations:
 - ✦ 0
 - ✦ 0.01%
 - ✦ 0.1%
 - ✦ 1.0%
 - ✦ 10%
- Put 22.5 mL of **DI** water into each petri dish

Directions



- Perform a serial dilution to make your copper solutions

All petri dishes should have 22.5 mL of solution in them when you are finished

