

1. Transfer soil–Calgon mixture from flask to a hydrometer jar. Insert the plunger into the graduated cylinder and gently mix the soil until a uniform suspension is obtained (at least 30 seconds). As soon as you remove the plunger, check the exact time, record/remember it, quickly rinse the plunger into the graduated cylinder using as little water as possible, and gently insert the hydrometer into the suspension. Place 50 grams of your dried, ground, and sieved soil sample in a 250 mL Erlenmeyer flask. Let the mixture sit over night (a minimum of 12 hours) to allow the solution to effectively disperse the soil separates (sand, silt, clay). Take reading after 2 hour (for particles less than 2 micrones). 2. 3. 4. 5. 7. 8. 9. 10. 11.