

Name(s) \_\_\_\_\_

Hour \_\_\_\_\_ Date \_\_\_\_\_ Group # \_\_\_\_\_

# Soil Investigation

## Bulk Density Data Work Sheet - Pit and Near Surface Techniques

Date of Sample Collection: \_\_\_\_\_ Site: \_\_\_\_\_

Horizon Number: \_\_\_\_\_ Horizon Depth: Top \_\_\_\_\_ cm  
Bottom \_\_\_\_\_ cm

### Sample Number 1

- A. Container volume: \_\_\_\_\_ mL  
B. Container weight: \_\_\_\_\_ g  
C. Wet weight of sample: \_\_\_\_\_ g  
D. Dry weight of sample: \_\_\_\_\_ g  
E. Dry soil weight (D-B): \_\_\_\_\_ g
- F. Weight of rocks: \_\_\_\_\_ g  
G. Volume of water without rocks: \_\_\_\_\_ mL  
H. Volume of water and rocks: \_\_\_\_\_ mL  
I. Volume of rocks (H-G): \_\_\_\_\_ mL  
J. Bulk density  $[(E-F)/(A-I)]$ : \_\_\_\_\_ g/mL ( $\text{cm}^3$ )

### Sample Number 2

- A. Container volume: \_\_\_\_\_ mL  
B. Container weight: \_\_\_\_\_ g  
C. Wet weight of sample: \_\_\_\_\_ g  
D. Dry weight of sample: \_\_\_\_\_ g  
E. Dry soil weight (D-B): \_\_\_\_\_ g
- F. Weight of rocks: \_\_\_\_\_ g  
G. Volume of water without rocks: \_\_\_\_\_ mL  
H. Volume of water and rocks: \_\_\_\_\_ mL  
I. Volume of rocks (H-G): \_\_\_\_\_ mL  
J. Bulk density  $[(E-F)/(A-I)]$ : \_\_\_\_\_ g/mL ( $\text{cm}^3$ )

### Sample Number 3

- A. Container volume: \_\_\_\_\_ mL  
B. Container weight: \_\_\_\_\_ g  
C. Wet weight of sample: \_\_\_\_\_ g  
D. Dry weight of sample: \_\_\_\_\_ g  
E. Dry soil weight (D-B): \_\_\_\_\_ g
- F. Weight of rocks: \_\_\_\_\_ g  
G. Volume of water without rocks: \_\_\_\_\_ mL  
H. Volume of water and rocks: \_\_\_\_\_ mL  
I. Volume of rocks (H-G): \_\_\_\_\_ mL  
J. Bulk density  $[(E-F)/(A-I)]$ : \_\_\_\_\_ g/mL ( $\text{cm}^3$ )