

AGR 1401  
Soil Texture Homework

Name \_\_\_\_\_

1. What are the particles sizes of sand, silt, and clay, according to the USDA? **Include Units.** (1pt)

Sand: \_\_\_\_\_

Silt: \_\_\_\_\_

Clay: \_\_\_\_\_

2. What law dictates the hydrometer method of texture analysis? What are some assumptions that are made? (1pt)

3. Given a 50 gram soil sample, and the hydrometer readings listed below, what is the texture of the analyzed soil? Assume there is no temperature correction. Show your work. (1pt)

40 second reading: 42 g/L

2 hour reading: 16 g/L

4. Give the following information, complete the soil texture table below.

	%Clay	%Sand	%Silt	Texture Name
a)		50	20	
b)	45		45	
c)	20	40		
d)	45	5		

