

GENERAL CHEMISTRY RECITATION
1st Semester
Group Exercise #2

1. A guaco-mole is defined as the amount of matter that contains as many objects as the number of tortilla chips in 12,000 kg of Tostitos[®]. This number has been given a special name - Avocado's number. Suppose that Nachos are made with the following recipe:

9.6 g of cheese

3.6 g of refried beans

2.4 g of salsa

are piled high onto each 4.8 g Tostitos[®] chip.

- a) What is the percent composition of refried beans in Nachos?
- b) How many kilograms of cheese are required to prepare 10 kg of Nachos?
- c) If an average Tostitos[®] chip has a mass of 4.8 g, what is the value of Avocado's number?
- d) What would be the mass of 0.10 guaco-moles of Nachos?

Signature **Role in Group**

_____ Leader - keeps the group on the task at hand, and watches the clock.

_____ Encourager - makes sure each group member participates in the process.

_____ Prober - asks for rationale and elaboration, and questions the group's assumptions, model, etc.

_____ Recorder - writes down group's solution to the problems.

Remember that these roles are in addition to each member's responsibility to help the group solve the problem.