**Mole Practice Homework!**

1. A burrito weighs 1.1 kilograms. If there are 3.5 grams of sodium chloride in this burrito, how many moles of sodium chloride are present?
2. If a drag racer throws 75 grams of silicon dioxide (sand) in another racer’s face, how many moles of silicon dioxide will the media say was thrown?
3. Mr. Guch contains 187 moles of water in his body. How many grams of water is this?
4. Does the answer from question 3 make sense? Mr. Guch weighs 100 kilograms.
5. If 550 kilograms of nitric acid is required to dissolve a cow, how many moles of nitric acid would I need to buy?
6. Why would anybody need to dissolve a cow, as described in problem 5?