Molar Mass, and Chemical Conversion Test

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_

Molar Mass

Find the Molar mass for the following, your answer should be to the nearest hundredth.

1. H2O2
2. PbSO4
3. (NH4)4SO4

Do the following Conversion (show your work)

1. You are throwing a party and will serve pizza. There are18 people coming to your party, you figure each person will eat 4 slices. A box of pizza cost $14.75, How many boxes do you need to serve your guest and how much will it cost?

Convert from Grams to Moles and Moles to Grams, (show your work round to the nearest tenth)

1. How many moles are in 15 grams of Nitrogen?
2. How many grams are in 17.9 moles of Potassium?
3. How many moles are in 12 grams of Barium?
4. How many grams are in 4.5 moles of potassium chloride, KCl2?

Converting Particles to Grams and Grams to Pariticles (show your work, round to nearest hundredth)

1. How many grams are there in 8.5 x 1023 molecules of NaSO4?
2. How many formula units are there in 120 g of MgCl2?