

Chemistry

How do I convert from grams of sodium stearate to moles of sodium stearate in Chemistry Experiment 7.1?

Once you know the mass in amu, you also know how many grams it takes to make a mole. Remember, the mass on the periodic chart tells you two things:

1) The mass in amu

2) The number of grams it takes to make a mole. When you figure out the mass from the periodic chart, you will find that it is 295.3. That tells you it takes 295.3 grams to make a mole.

Thus: 1 mole = 295.3 grams.

You have the number of grams, so you just need to use this relationship to convert from grams to moles, as shown in Example 7.6.

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