Name	Class	Date	

The Mole: One Step Conversions: Quiz 2b

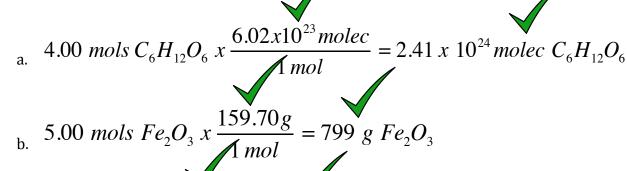
Make sure to **SHOW ALL WORK and INCLUDE UNITS!**

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- 1. How many molecules are there in 4.00 moles of glucose, $C_6H_{12}O_6$?
- 2. What is the mass of 5.00 moles of Fe_2O_3 ?
- 3. How many moles of argon atoms are present in 11.2 L of argon gas at STP?

Answers:

1. See Below: (Sig and Units)



c.
$$11.2 L Ar x \frac{1 mol}{22.4 L} = 0.500 moles Ar$$