1 Step Mole Problems

CP 1 Step Mole Problems

Converting Between Moles and Volume @ STP Tutorial & Examples.
Converting Between Moles and Mass Tutorial & Examples.
Converting Between Moles and Representative Particles (atoms, ions, molecules, formula units) Tutorial & Examples.

1. Convert 1.8060×10^{23} molecules of CO_2 to moles.
**In this problem I'm going to be utilizing mass from the PT OR 6.022×10^{23} OR 22.4L.

2. Convert 4.50 moles of NaCl to grams.
**In this problem I'm going to be utilizing mass from the PT OR 6.022×10^{23} OR 22.4L.

3. Convert 300L of water vapor to moles.
**In this problem I'm going to be utilizing mass from the PT OR 6.022×10^{23} OR 22.4L.

4. Convert 900g of Fe_2O_3 to moles.
**In this problem I'm going to be utilizing mass from the PT OR 6.022×10^{23} OR 22.4L.

5. Convert 0.0883mol of CH_4 to volume.
**In this problem I'm going to be utilizing mass from the PT OR 6.022×10^{23} OR 22.4L.

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6. Convert 0.989 moles of CH_4 to grams.
**In this problem I'm going to be utilizing mass from the PT OR $6.022X10^{23}$ OR 22.4L.

7. Convert 200.21 L of N_2O to moles.
**In this problem I'm going to be utilizing mass from the PT OR $6.022X10^{23}$ OR 22.4L.

8. Convert $9.97x10^{25}$ molecules of NH_3 to moles.
**In this problem I'm going to be utilizing mass from the PT OR $6.022X10^{23}$ OR 22.4L.

9. Convert 0.5mol rubidium phosphate (Rb_3PO_4) to grams.
**In this problem I'm going to be utilizing mass from the PT OR $6.022X10^{23}$ OR 22.4L.

10. Convert 0.0887 moles of SO_2 to molecules.
**In this problem I'm going to be utilizing mass from the PT OR $6.022X10^{23}$ OR 22.4L. n

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