CHEMISTRY MATTERS
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Unit 6C Molecular Formulas Practice I

Name:

Date:

Work each of the following problems. SHOW ALL WORK.

1. What is the molecular formula of the molecule that has an empirical formula of CH_2O and a molar mass of 120.1 g/mol?

2. What is the molecular formula of the molecule that has an empirical formula of CH_2Cl and a molar mass of 247.5 g/mol?

3. Determine the formula for the hydrate from the given information:

   a. 0.391 g Li_2SiF_6, 0.0903 g H_2O

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