Nobles International School Science Department Academic Year 2020 – 2021



Name: ______ Grade: 10

Date: 19 February 2021

Semester 2 – Chemistry Worksheet Lesson 10.3

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- 1. A compound is 21.20% Nitrogen, 6.06% Hydrogen, 24.30% Sulfur, and 48.45% Oxygen. Write the empirical formula and name the compound.
 - a. NH₄SO₄
 - b. N₂H₄SO₄
 - c. (NH₄)₃SO₃
 - d. (NH₄)₂SO₄
- 2. A compound is 38.6 % Na, 26.9% S, and 53.8% O. Its molecular mass is 142 g/mole. What is its molecular formula?
 - a. NaSO₄
 - b. Na₂SO₄
 - c. Na₂SO₃
 - d. NaSO₃