

Review Chapter 3: Study Guide Corrections

From the Exercise and Practice section, pp. 50-53

$$10. \text{ b. } \%H = \frac{3 \times 1.008 \text{ g}}{141.94 \text{ g}} \times 100\% = 2.130\% \text{ H}$$

$$\%As = \frac{74.92 \text{ g}}{141.94 \text{ g}} \times 100\% = 52.78\% \text{ As}$$

$$\%O = \frac{4 \times 16.00 \text{ g}}{141.94 \text{ g}} \times 100\% = 45.09\% \text{ O}$$

$$12. \text{ b. } 63.6 \text{ g N} \times \frac{1 \text{ mol N}}{14.01 \text{ g N}} = 4.540 \text{ mol N}$$

$$35.4 \text{ g O} \times \frac{1 \text{ mol O}}{16.00 \text{ g O}} = 2.213 \text{ mol O}$$

