Answers to Stoichiometry Work form last day Friday and Winter Break. Remember, if your balanced equation is not correct, your answers won’t be either.

Worksheet: Stoichiometry Practice (Winter Themed)

1. 2.7 moles, CO2; 120 grams ZnO; 300 grams Zn

2. 1.9 X 103 grams AgNO3; 90 grams AgBr; 3 moles AgBr

3. 3 X 106 grams NH4NO3; 1 X 103 pounds O2; 6.9 moles NH4NO3

4. 75 moles N2O4; 800 grams N2; 15,000 grams N2H4

Worksheet: Reviewing Stoichiometry

1. 13.7 mol CaO 1. 11.3 mol CO2

2. 1.5 X 1025 atoms V 2. 1.5 X 1025 molecules H2O

3. 37 mol CaO 3. 18 mol C2H2

4. 1230 grams V 4. 1090 grams H2O

5. 175 grams Ca 5. 138 grams CO2

Worksheet: Daily Practice I: Stoichiometry

1. 84 mol Cu

2. 5.5 X1024 atoms Cu

3. 2 X 1024 atoms Cu

4. 73 grams O2

5. 1.2 mol Cu2O

Worksheet: Daily Practice II: Stoichiometry

1. 1.02 X 1025 atoms Fe

2. 7.8 mol O2

3. 24 grams O2

4. 4 X 1024 atoms Fe

5. 74 moles Fe

Worksheet: Daily Practice III: Stoichiometry

1. 5 X 1024 atoms Al

2. 9.93 X 1024 atoms Al

3. 74 mol Al

4. 11 mol O2

5. 38 grams O2