Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 1 Review

1. " Our society is dependent on chemistry." Write a short paragraph either agreeing or disagreeing with this statement. Give reasons for your opinions. (3 marks)

2. Classify each example of matter as either an element, a compound, homogenous mixture or a heterogeneous mixture. (1 mark each)

a) ocean

b) air

c) pure water

d) tap water

e) gold

f) black ink

g) classroom

h) carbon dioxide

i) oxygen

3. Given the name, write the formula. Given the formula, write the name. If the formula is that of an acid, be sure to give its common name. (2 marks each)

a) Mercury (II) Sulphide

b) LiBr

c) CO2

d) P5N7

e) sodium hydroxide

f) H3PO4

g) sodium chromate

h) CoCO3

i) aluminum oxide

j) manganese (IV) nitrite

k) Ca(OH)2

l) ammonium borate

m) perchloric acid

n) magnesium hydroxide

o) NaCl

4. Classify each statement below as a physical or a chemical change (1 mark each)

a) water boiling

b) food rotting

c) metal rusting

d) gasoline combusting in a engine

e) magma cooling to form solid rock

f) making iced tea from a powder mix

5. Pick two methods of separating mixtures and describe how they work and examples in which these methods are used (2 marks)