1.9 Classifying Matter #1-5, p. 31

1.a) What is meant by the term “natural” when describing a substance. Give 2 examples.

Natural means from nature. Ex. Cotton (plant), wool (animal)

b) What is meant by the term “synthetic substance” give 2 examples.

Synthetic means made by people. Ex. Polyester, Gore Tex, nylon

2. How are elements and compounds

a) the same Both elements and compounds are made of atoms

b) different Elements are made of one kind of atom.

Compounds are made of 2 or more different atoms.

3a) What is a pure substance. Give an example

A pure substance is made of **one kind** of particle.

b) What is a mixture give an example.

Mixtures are two or more **pure** substances combined.

4. Explain the difference between heterogeneous and homogenous mixtures.

Hetero – 2 things seen or felt

Homo – 1 thing seen and felt

5. Give an example of a homogenous mixture that is:

a) a solid – (S) ice cube

b) a liquid (L) glass of water

c) a gas (G) aerosol hair spray