

13. Classify the following as pure substances or as mixtures:

air M

gasoline M

grain alcohol PS

water M

sugar PS

gold PS

mercury PS

oxygen PS

salt water M

14. Classify the following as heterogeneous or as homogeneous:

sand & salt mixture

Hetero

hydrogen

Homo

iron

Homo

salt water

Homo

unfiltered air

Homo

iron with rust

Hetero

pure water

Homo

an apple

Hetero

nitric acid

Homo

tossed salad

Hetero

granite

Hetero

wood

Hetero

15. Classify the following as an element, a compound, a solution, or a heterogeneous mixture:

aluminum E

raisin bread HM

carbon dioxide C

water S

sugar and water S

sulfur E

sulfuric acid C

mercury E

an orange HM

water & instant coffee S

a pencil HM

carbon particles & sugar HM

nitrogen E

air S

gasoline S

grain alcohol C