Classification of Matter Worksheet

Identify the following substances as:

(**M**) heterogeneous mixture; (**C**) compound; (**E**) element; (**S**) homogeneous mixture.

\_\_\_\_\_\_\_ India ink \_\_\_\_\_\_\_iron

\_\_\_\_\_\_\_wood \_\_\_\_\_\_\_air

\_\_\_\_\_\_\_wine \_\_\_\_\_\_\_granite

\_\_\_\_\_\_\_propane (**C3H8)** \_\_\_\_\_\_\_sugar cube

\_\_\_\_\_\_\_mercury vapor \_\_\_\_\_\_\_orange juice (no pulp)

 \_\_\_\_\_\_\_sawdust

\_\_\_\_\_\_\_vodka martini w/out olive

\_\_\_\_\_\_\_ice \_\_\_\_\_\_\_pure sand

\_\_\_\_\_\_\_tincture of iodine \_\_\_\_\_\_\_rust

**(alcohol solution containing iodine)**

\_\_\_\_\_\_\_filtered sea water \_\_\_\_\_\_\_smog **(smoke & fog)**

\_\_\_\_\_\_\_salt water \_\_\_\_\_\_\_Epsom's salt **(MgSO4 . 7 H2O)**

\_\_\_\_\_\_\_blood \_\_\_\_\_\_\_unsweetened tea

Classification of Matter Worksheet Key

Identify the following substances as:

(**M**) heterogeneous mixture; (**C**) compound; (**E**) element; (**S**) homogeneous mixture.

\_\_\_S\_\_\_\_ India ink \_\_\_E\_\_\_\_ iron

\_\_\_M\_\_\_\_ wood \_\_\_S\_\_\_\_ air

\_\_\_S\_\_\_\_ wine \_\_\_\_M \_\_\_ granite

\_\_\_C\_\_\_\_ propane **(C3H8)** \_\_\_\_E\_\_\_ sugar cube

\_\_\_E\_\_\_\_ mercury vapor \_\_\_S\_\_\_\_ orange juice (no pulp)

 \_\_\_M\_\_\_\_ sawdust

\_\_\_S\_\_\_\_ vodka martini w/out olive

\_\_\_\_C\_\_\_ ice \_\_\_\_C\_\_\_ pure sand

\_\_\_S\_\_\_\_ tincture of iodine \_\_\_\_\_C\_\_ rust

**(alcohol solution containing iodine)**

\_\_\_\_S\_\_\_ filtered sea water \_\_\_\_M\_\_\_ smog **(smoke & fog)**

\_\_\_\_S\_\_\_ salt water \_\_\_\_\_C\_\_ Epsom's salt **(MgSO4 . 7 H2O)**

\_\_\_\_M\_\_\_ blood \_\_\_\_\_S\_\_ unsweetened tea