Matter Quiz

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Match the following definitions (12 marks)
   1. Matter \_\_\_\_\_ A mixture of metals
   2. Physical Change \_\_\_\_\_ iron reacts with oxygen to produce this
   3. Chemical Change \_\_\_\_\_ Anything that has mass and takes up

space

* 1. Corrosion \_\_\_\_\_ compounds containing carbon and

hydrogen

* 1. Rust \_\_\_\_\_ the substance involved stays the same

* 1. Alloy \_\_\_\_\_ horizontal rows on the periodic table
  2. Combustion \_\_\_\_\_ vertical columns on the periodic table
  3. Hydrocarbon \_\_\_\_\_ a poisonous gas that is harmful to the

environment

* 1. Carbon Monoxide \_\_\_\_\_ the substance involved is changed into

another substance with different

properties

* 1. Mendeleev \_\_\_\_\_ a metal reacts with oxygen from the air
  2. Group \_\_\_\_\_ a substance reacts rapidly with oxygen

and releases energy

* 1. Period \_\_\_\_\_ credited with the creation of the periodic

table

1. Match each of the following words with their description: (9 marks)
   1. Ductility \_\_\_\_\_ Thick flow of liquid
   2. Solid \_\_\_\_\_ A can is bent when squeezed
   3. Melting Point \_\_\_\_\_ How shiny or dull a substance is
   4. Solubility \_\_\_\_\_ Copper can be stretched into wires
   5. Density \_\_\_\_\_ Takes the shape of its container and has a

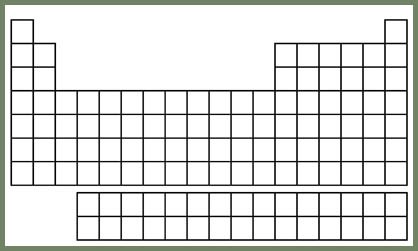
fixed volume

* 1. Malleability \_\_\_\_\_ The ability to dissolve salt in water
  2. Viscosity \_\_\_\_\_ The amount of matter per unit volume
  3. Lustre \_\_\_\_\_ It holds its shape and has a fixed volume

* 1. Liquid \_\_\_\_\_ The temperature at which a solid changes to a

liquid

1. For each of the following state whether it is describing a Physical Change or a Chemical Change (8 marks)
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_ Burning a log in the fire
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_ Slicing a cucumber
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_ Dissolving a sugar cube in water
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_ Cooking a hot dog
   5. \_\_\_\_\_\_\_\_\_\_\_\_\_ Your ice cream melts in the sun
   6. \_\_\_\_\_\_\_\_\_\_\_\_\_ Bleaching your shirt to remove a stain
   7. \_\_\_\_\_\_\_\_\_\_\_\_\_ Some meat rots in the fridge
   8. \_\_\_\_\_\_\_\_\_\_\_\_\_ The puddle in your yard freezes overnight
2. Label the following on the blank periodic table below (7 marks):
   1. Metals
   2. Nonmetals
   3. Group of One (Hydrogen)
   4. Alkali metals
   5. Alkaline Earth Metals
   6. Halogens
   7. Noble Gases



Total: 36 marks