

Objective :

To distinguish between metal and non-metal.

Background:

Most elements can be grouped into different categories -metals and non-metals. The properties of metal are very different than those of non-metal .

Complete the following table:

<u>Element</u>	<u>State of Matter (solid ,liquid, gas)</u>	<u>Malleability /Ductility Can it be bent or stretched</u>	<u>Luster (shiny or dull)</u>	<u>Conductivity Dose it conduct electricity</u>
<u>Aluminum</u>				
<u>carbon</u>				
<u>copper</u>				

1- which of the elements are metals?-----

2- which of the elements are non-metals?-----

Analysis

Based on your observations and what you know about these elements, fill in the table below that summarizes the properties of metals and non-metals:

	Metals	Non-Metals
State at room temperature(solid ,liquid ,gas)		
Luster (dull or shiny)		
Malleability and ductility (bendable or brittle)		
Conductivity (ability to conduct heat or electricity)		