LEARNING AS ONE NATION

Expanded Project

GC1 Q1_1

SHS LEARNING ACTIVITY

Name: _____ **Score/Mark:** _____

Grade and Section: _____ **Date:** _____

Strand: ☑ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)

Subject: *General Chemistry 1*

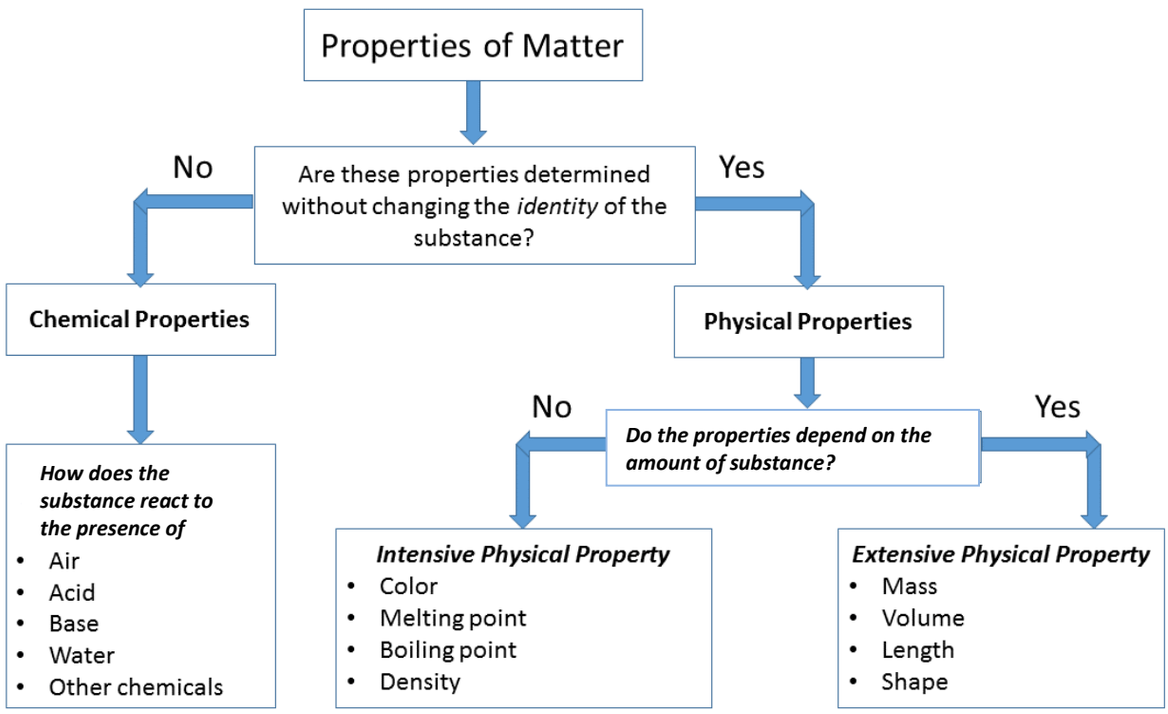
Type of Activity: ☑ Concept Notes ☐ Skills: Exercise/Drill ☐ Illustration ☐ Performance Task ☐ Essay/Report ☐ Others: _____

Activity Title: **Review: Properties of Matter**

Learning Target: To differentiate between physical and chemical properties of matter
To differentiate between extensive and intensive properties.

References: *(Author, Title, Pages)*
https://chem.libretexts.org/Textbook_Maps/Inorganic_Chemistry
J.A. Sadudaquil, M.D.A.D. Cadeliña and M.V. Carpio-Bernido, CVIF-DLP Learning Activities

Organizational breakdown of chemical and physical properties of matter [see reference].



Properties of matter are broadly categorized based on the **macroscopic point of view** (physical *vs.* chemical) and their dependence on the **amount of matter present** (extensive *vs.* intensive).

Physical properties – measured and observed without changing the composition of the substance.

Chemical properties – observed as the change of identity of a substance into another substance through a **chemical change**.

Intensive properties – do not depend on the amount of matter being measured.

Extensive properties – depend on the amount of matter present. Values of the same extensive quantities can be added.

Exercise: Write whether each property is chemical, intensive physical, or extensive physical: (1) hardness, (2) flammability, (3) texture.