	SHS LEARNING ACTIVITY			/ITY	CHEM1-01-03
Name: Grade and Section:			Score/Mark:		
Type of Activ	rity: □	Concept Note	s □Skills: Ex	cercise/Drill	□ Illustration
☐ Laboratory F	Report	Essay/Task Re	eport □Other:		
Activity Title	: 01-03.P	hysical and o	chemical change	es	v03
-			petween physica		nical changes
Authors/Refe			. ,		

Chemistry studies how matter (substances) changes into different matter (other substances). These processes of **chemical change** are named **chemical reactions**.

Some examples of chemical changes or chemical reactions are the rusting of an iron nail over time, or the cooking of an egg. We can often detect that a reaction has happened because colors, smells, textures or tastes change.



But often, even very obvious changes do not necessarily involve a transformation of substances into other substances. For example, <u>liquid</u> <u>water</u> can be frozen into <u>ice</u>, or it can be boiled into <u>vapor</u>, but it is still water. We know this because when ice <u>melts</u> or vapor <u>condensates</u>, we get liquid water again. These changes are known as <u>physical changes</u>.

Questions

- 1.Do you think that all chemical changes involve a change in color, smell, taste, or texture, or do you instead think that maybe there are some chemical changes that are difficult to detect with our body's senses?
- 2. When wood burns, it turns into gases that go into the atmosphere. Some of these gases can then be re-absorbed by plants and turned back into wood. Do you think these changes are chemical or physical? Why?