



Ingredient Label Task

Objectives: To identify various ionic and molecular compounds found in processed food, correctly name and write the chemical formulas of ionic and molecular compounds, and to examine the use of chemicals in everyday life. Look up 3 different food ingredient labels to find compounds. Research physical properties, uses and risks of each compound.

You may NOT choose salt (NaCl) or water. You must have at least 1 compound with a polyatomic ion and 1 covalent (molecular) compound.

Product	Chemical Name	Chemical Formula	Ionic (binary/polyatomic) or Molecular	Physical Property	Use/Purpose in Product	Risks to Humans <u>OR</u> the Environment
<i>SAMPLE ENTRY</i> Ritz Crackers	Sodium chloride	NaCl	Binary Ionic	Cubic crystalline structure clear when pure soluble in water	Used as a seasoning to add flavour	Too much sodium is bad for health as it is associated with a greater risk of stroke and cardiovascular disease

6) List of websites used (minimum of 3):

7) After completing the table, answer the following reflection questions on the back of this page:

- What do you know or what are you aware of after doing this activity that you did not know or were not aware of before? Explain.
- After researching the chemicals in the products, do the risks outweigh the benefits for using these products? Will you continue to use these products? Explain