

Task 5. ID: 5571



Manage the Crisis

Place: Mars
Time: 3 years after Mission - 1 landing

The daily life of the astronauts on Mars is a constant adventure...

Very often they have to anticipate uncommon and, in some cases, catastrophic events, such as sandstorms or tornadoes.

You are the crew of Mars Mission - 1.

You have grown food in your greenhouse but after a strong tornado, you find the greenhouse warehouse damaged and some of the chemical compounds (necessary for plant growth) mixed.

Use the information and the materials on your table to perform the tests that will allow you to distinguish and label the compounds in the containers.

Using the app, choose which compound is inside each container



NOESIS

NaHCO_3

Sodium hydrogen carbonate

This bicarbonate salt is a white solid in its crystalline form. Reacts with acids and produces the respective salt and carbonic acid, which readily decomposes to produce carbon dioxide and water.

$\text{C}_{12}\text{H}_{22}\text{O}_{11}$

Saccharose

Chemical compound that forms white, solid crystal when pure. Undergoes hydrolysis when reacting with acidic or basic solutions, producing the constituent's sugars.

NaCl

Sodium Chloride

Chemical compound that is white, solid, crystal in its pure form. Being a strong electrolyte, it dissolves in water, even in low temperatures, producing solutions that are good conductors of electricity.