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KEY.

Activity 4-2B
Combining Solutions of Ionic Compounds

Purpose

To determine some of the chemical and physical properties of some common ionic compounds.

Materials & Apparatus

Refer to BC Science 10 page 198.

Procedure

Refer to BC Science 10 page 198.

Observations

Table 1 Observations from mixing ionic compounds.

	Observation after Sodium Hydroxide (NaOH) added	Colour of each solid	Colour observation for flame test of solutions soaked into splints	Flame test Of Solids
SrCl ₂ (Fe ⁺³) Sr ⁺²	light cloudy white	white	RED	RED
CaCl ₂ (Ca ⁺²)	white cloudy	white	RED/ ORANGE	RED/ ORANGE
CuCl ₂ (Cu ⁺²)	Blue/green cloudy.	blue/green	Green.	Green
NaOH (Na ⁺)	N/A	N/A	ORANGE	N/A