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Chemistry_Questions_0017

Part 1: Sulfur is heated over an open flame. Chemical or physical reaction?

Part 2: Magnesium is exposed to an open flame. Chemical or physical reaction?

Part 3: 3 tablespoons of salt mix into 1 cup of tap water. Chemical or physical reaction?

Part 4: Copper (II) sulfate pentahydrate heated in crucible. Chemical or physical reaction?

Procedure for Part 4:

- Assemble a ring stand with a clay triangle
- Measure out 1.000g of a copper (II) sulfate pentahydrate
- Measure the mass of a crucible
- Add the copper (II) sulfate pentahydrate to the crucible
- Heat slowly till it thoroughly changes color. Allow the crucible to cool.

Reweigh the dehydrated substance.

Data:

Mass	grams
Crucible empty	17.0312
Substance initial	1.0000
Substance after heating + crucible	17.6712

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