Activity C1 : Detect presence of water

Goals : * Discover chemistry objects

- Learn security rules in chemistry
- Use anhydrous copper sulfate

Where is Holmes' pipe?

	Detective Holmes : Watson , someone has
	stolen my pipe !!
	Doctor Watson : I have no idea Mr Holmes
	, but I know a fortune teller !
	Holmes : Are you kidding me ? This is not
	science‼
	Watson : I know but that is my only
	solution!
	Holmes : PfffI don't know why I keep you
	as a partnerOk let's go to see her !
	Watson : Good evening miss Irma
	Irma : Hello guys , give me 1000 pounds
	first !
	Watson : It's very expensive , but we have
	no choice here you are !
	Irma : I can see , I can see someone with a
	bag!
	Holmes : Ok , but what do you see in his
	bag?
	Irma : I see one thing with water and
	three things without water !
	Watson : Thank you Irma , maybe we can
	make some tests with the anhydrous
	copper sulfate !!
	Holmes : Elementary my dear Watson !

There are four suspects . Watson is asking them to know what they've got in their bag today .

Miss Hudson's bag	Moriarty's bag	Sebastian Moran's bag	John Douglas' bag
Oil	Oil	Potatoes	Apple
Lemon juice	Apple	Sugar	Orange juice
Crisps	Rice	Lemon juice	Potatoes
Apple	Crisps	Clementine	Pasta

We want to know what solids or liquids contain water ? (or not)

Misson 1 : Anhydrous copper sulfate is :

A blue powder	A white liquid
A blue liquid	A white powder

Mission 2 : Explain in French your experiment

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Mission 3 : Draw your experiment

Mission 4 : Complete this note

Thing	Potatoes	Oil		
tested				
Colour of				
powder				
Water or				
not ?				

Thing tested			
tested			
Colour of			
powder			
Water or			
not ?			

Mission 5 : Find the guilty person

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