## DNL - Chimie 2<sup>nde</sup> - L'Univers LAB WORK 2 CONSERVATION OF CHEMICAL ELEMENT COPPER

## 1. Presentation of copper metal and solution containing copper ions

Solution containing copper ions:

**Copper metal:** copper is a reddish metal. It is malleable, ductile, and an extremely good conductor of both heat and electricity. It is softer than iron but harder than zinc and can be polished to a bright finish. In moist air it slowly forms a greenish surface film called patina; this coating protects the metal from further attack. Typical of this is the colour of the Copper Statue of Liberty in New York. In the chemistry lab, copper is available in many forms including plates, chips and powder.







**Observations:** 

6. From copper ions to



## 7. <u>Conclusion</u>

<u>Copper cycle</u>: (complete the diagram after each experiment)



Starting from copper metal, a sequence of chemical \_\_\_\_\_\_\_ have been carried out, leading to \_\_\_\_\_\_\_ again.

Therefore, the "copper" had not disappeared: during the different chemical transformations, there has been of the **chemical element** ......

It appeared under different forms, combined or not to other chemical elements:

uppeurunee

CHEMICAL ELEMENTS ARE DURING CHEMICAL .