

Shine Coins

Ever heard of numismatics? It's the collection of coins, old, antique, valuable. But most time these coins are corroded or oxidised and have a layer of rust formed on them. But there's a way to clear this problem, shining your coins! To make them look just as they were when they were made.

AIM

To shine coins that have gone rustic.

THINGS REQUIRED

Dish liquid
lemon juice
baking soda
vinegar
tooth brush
water

And your precious coin collection!

PROCEDURE

1. Add each of these solutions in different containers. You can mix them in little quantities of water to make a solution.
2. Now place one coin each in all the containers.
3. Before placing the coins in the solutions, note the condition of the coins. You can click pictures for reference.
4. Leave the setup over night.
5. In the next morning, use a toothbrush to scrub the coins.
6. Now wash the coins in clean water and dab them dry.
7. Note how there's a difference in each case.

QUESTIONS TO RESEARCH

1. Which solution cleaned the coin the most?
2. Why do you think the coins were rusted in the first place?
3. What would've happened when we left the coins overnight?
4. What is the chemical nature of each of these ingredients you've used to shine your coins?

CONCLUSION

The process of rusting of coins is actually called as oxidation. Due to the exposure to moisture and oxygen the metal undergoes a formation of an oxide layer on its surface. This gives the coins, greenish-brown appearance.