

## Shiny Pennies

Which materials do you think will react with copper to shine up a dirty penny?

---

---

---

### Materials:

Pennies (dirty)

Bowls or cups

Paper towels

Lemon juice

Salt

Water

Salsa

Spoons

### Procedures:

1. Pour lemon juice into a bowl or a cup.
2. Mix together one spoonful of salt with two spoonfuls of water in another bowl or cup.
3. Mix together one spoonful of salt with two spoonfuls of lemon juice in a third cup.
4. Pour salsa into a fourth cup.
5. Place a penny in each of the materials: lemon juice, salt water, a mixture of lemon juice and salt water, and salsa.
6. Use your finger and some paper towels to rub lemon juice and/or salt and salsa onto each penny.

Materials	Observations
Salsa	
Lemon Juice	
Salt and Water	
Lemon Juice and Salt	

**Which coins quickly became shiny?**

---

---

---

**How do the "shiny" pennies compare with the pennies not put in the materials such as salt water, lemon juice, or salsa?**

---

---

---