

**SUPPLY WORKSHEET**

This worksheet is also available online at [www.oms.edu/k8chemistry](http://www.oms.edu/k8chemistry).

# Penny for Your Thoughts

Recommended group size: 2–4

Number of Students:  Number of Groups:

| Supplies  | Amount Needed               | Supplies on Hand | Supplies Needed |
|---|-----------------------------|------------------|-----------------|
| small jars with lids (baby food jars work well)           | 1 per group                 |                  |                 |
| vinegar   | ½ cup per group             |                  |                 |
| pop-top squeeze bottles (e.g., water or sports drink)     | 1 per group                 |                  |                 |
| salt  | 2 spoonfuls per group       |                  |                 |
| steel paperclips (or other small iron-containing objects) | 3–4 per group               |                  |                 |
| pennies (must be pre-1983)                                | 15 per group                |                  |                 |
| spoon   | 1 per group                 |                  |                 |
| plastic cups, any size                                    | 1 per group                 |                  |                 |
| <b>Extension A</b>  |                             |                  |                 |
| needs will vary depending on experiment design            |                             |                  |                 |
| <b>Extension B</b>  |                             |                  |                 |
| steel wool  | small amount                |                  |                 |
| wire leads  | 2 per group                 |                  |                 |
| small jar   | 1 per group                 |                  |                 |
| salt  | ½ spoon per group           |                  |                 |
| ½ teaspoon measure  | 1 per group                 |                  |                 |
| battery (a 6-volt lantern battery works well)             | 1 per group                 |                  |                 |
| metal object to be plated                                 | 1 per group                 |                  |                 |
| copper object (coiled wire, pre-1983 penny, or strip)     | 1 per group                 |                  |                 |
| water   |                             |                  |                 |
| <b>Teacher Demonstration</b>                              |                             |                  |                 |
| <b>Copper Corrosion</b>                                   |                             |                  |                 |
| glass cup   | 1 for demonstration         |                  |                 |
| overhead projector  | 1 for demonstration         |                  |                 |
| copper coated steel BBs                                   | about 50                    |                  |                 |
| bleach  | ¼ cup (enough to cover BBs) |                  |                 |
| disposable gloves   | 1 pair                      |                  |                 |