

# Explore Bonding Basics with Graphite Circuits

## Observations

In the following space, draw a diagram of your modified graphite circuit from step 7 in the Procedure section. Include observations in complete sentences.

| Beaker | Indicator  | Basic Color (Before) | Acidic Color (After) | pH           | Range      |
|--------|------------|----------------------|----------------------|--------------|------------|
| 1      | Bromcresol | green                | Blue                 | Yellow-green | 5.4 to 3.8 |
| 2      | Universal  | indicator            | Purple               | Orange       | 10 to 4    |
| 3      | Phenol     | red                  | Red                  | Yellow       | 8.4 to 6.8 |
| 4      | Methyl     | red                  | Yellow               | Red          | 6.2 to 4.4 |
| 5      | Bromthymol | blue                 | Blue                 | Yellow       | 7.6 to 6.0 |