

### Procedure for students

1. Place a level scoop of each soil sample in the appropriate cup at each of the four stations.
2. Pour soil through the funnel into the matching vial.
3. Add 20 mL of distilled water to each of the vials.
4. Stir each vial with its own coffee stirrer for 5 seconds. Discard the stirrers and the Dixie cups.
5. Measure 5 mL of cabbage juice into each of the vials.
6. Observe the color changes (it may take up to 15 minutes for a complete color change).
7. View the PowerPoint.
8. Look at the order of colors on the pH scale on the handout and color in the blank scale on the worksheet showing the four observed colors in the vials.
9. Label each color with the letter of the soil that produced that color.
10. Complete the worksheet as directed by your teacher.
11. Return the laminated sheets to your teacher.

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