Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ch. 43 Listening Guide – Plant Hormones**

<http://www.bozemanscience.com/plant-control>

1. Because plants don’t have muscles, they use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to send signals that cause an action.
2. The five hormones discussed are: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. A plant will orient itself \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the sun.
4. Who was the first scientists to work on auxin was: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Auxin will move toward the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side of the cell.
6. Auxin \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cellulose, which causes the plant to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Cytokinins can be broken down into the word \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which \_\_\_\_\_\_\_\_\_\_\_\_\_ the cell.
8. Cytokinins cause our cells to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which causes the plant to \_\_\_\_\_\_\_\_\_\_\_\_\_ to the side.
9. Gibberellins is used to control the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the plant (when to become dormant or when to flower).
10. Abscisic acid causes everything to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and enter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. Unlike the other hormones, ethylene is used \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell.
12. Ethylene uses a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ feedback loop.
13. Plants \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to their environment by using hormones.