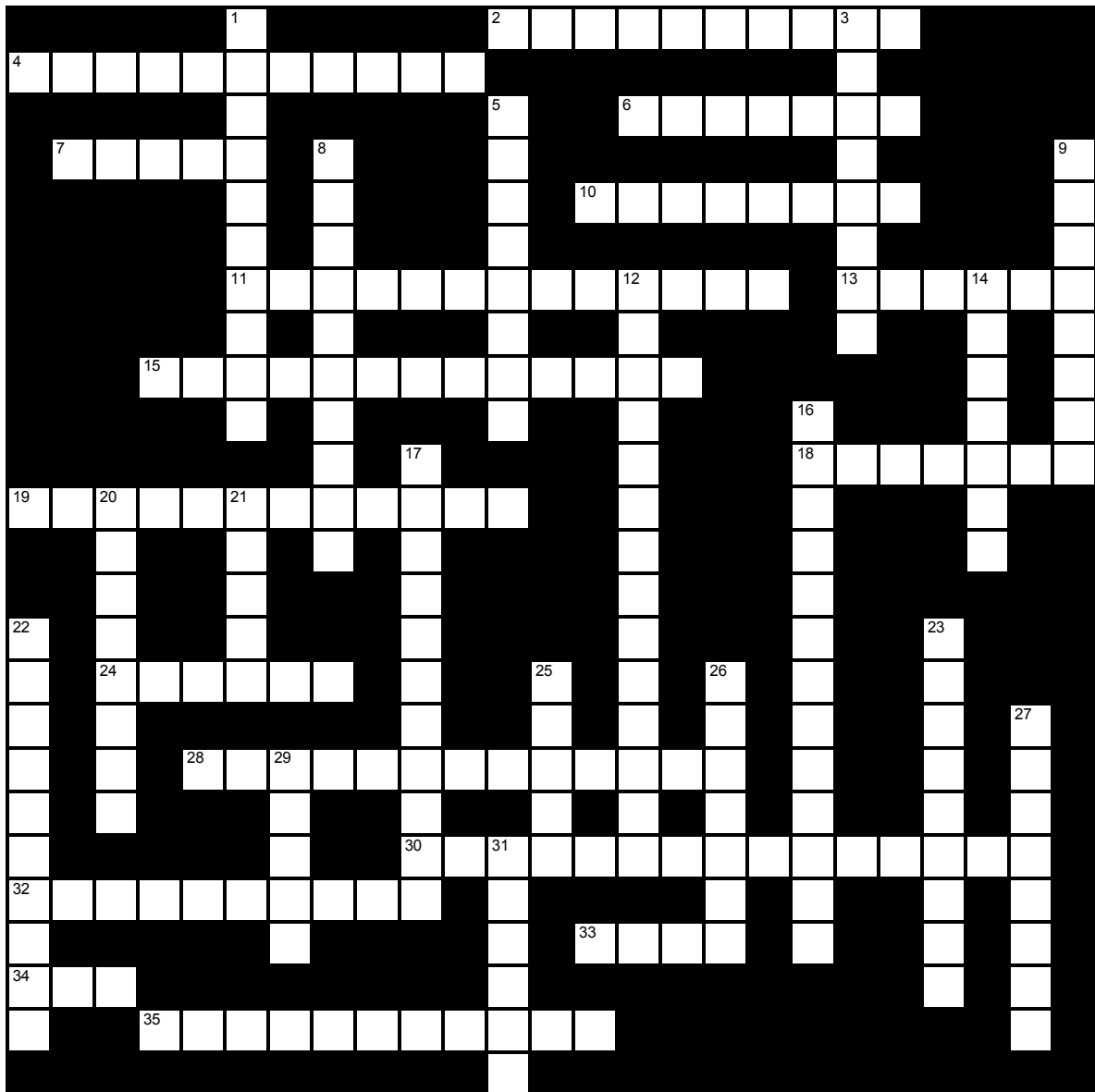


# Plant Growth & Hormones

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

Hour: \_\_\_\_\_



## Across

- 2 The hormone that inhibits the elongation of stems causing them to become thicker (10)
- 4 Movement where an underground stem pulls the tissue downward (11)

## Down

- 1 Type of plants that flower due to another stimulus besides daylight (10)
- 3 Spiraling movement that occur as plants grow laterally (8)

- 6 If the terminal buds are severed, cytokinins will trigger growth at the \_\_\_\_\_ buds (7)
- 7 During dormancy, the leaves produce less of growth hormone \_\_\_\_\_ (5)
- 10 This acid is produced in plants and causes their petioles to weaken triggering leaves to fall (8)
- 11 A tendency to vine or cling due to touch (13)
- 13 Movement that occurs in flattened structures like leaves (6)
- 15 The scratching or nicking of the seed coat to induce germination (13)
- 18 Movements that occur in the bean family when the hypocotyls bend as they move through the soil (7)
- 19 A tendency to grow toward water (12)
- 24 Stems grow from the tips due to the \_\_\_\_\_ meristem (6)
- 28 The flower of plants as a response to temperature rather than light (13)
- 30 Type of plants that flower when the day length is neither too long or too short; ie grasses (15)
- 32 The zone of \_\_\_\_\_ is located directly behind the apical meristem (10)
- 33 Auxin migrates \_\_\_\_\_ from light causing cells to elongate along the dark side (4)
- 34 The root \_\_\_\_\_ is designed to protect the apical meristem (3)
- 35 These pigments are responsible for the coloration of leaves (11)
- 5 Type of plants that flower when the night length is equal to or greater than the daylight (8)
- 8 The process where a seed absorbs water before germination (10)
- 9 Solar \_\_\_\_\_ occur in leaves or flowers to keep them perpendicular to the sun (8)
- 12 Any response to the relative length of daylight or darkness (14)
- 14 Movement that occurs in tendrils to aid in wrapping or clinging (7)
- 16 The type of growth where certain parts can grow indefinitely (13)
- 17 The hormone \_\_\_\_\_ is actually produced by a fungus and causes bolting in plants. (11)
- 20 Many plant undergo winter \_\_\_\_\_ as a response to the shortening of the day (8)
- 21 The movement of flagella or cilia in reproductive cells (5)
- 22 Occurs when a seed won't germinate unless specific environmental conditions are present (10)
- 23 The \_\_\_\_\_ rhythms produce sleep movement in plants to the time of day rather than the time of year (9)
- 25 A bud \_\_\_\_\_ will form in winter to protect young shoots that emerge in spring (5)
- 26 Type of plants that flower when the night is equal to or less than the daylight (7)
- 27 This gas is released by fruits and causes them to ripen (8)
- 29 Cytokinins are produced in the \_\_\_\_\_ of a plant (5)
- 31 Movements that result in the change of a plant's water pressure (6)