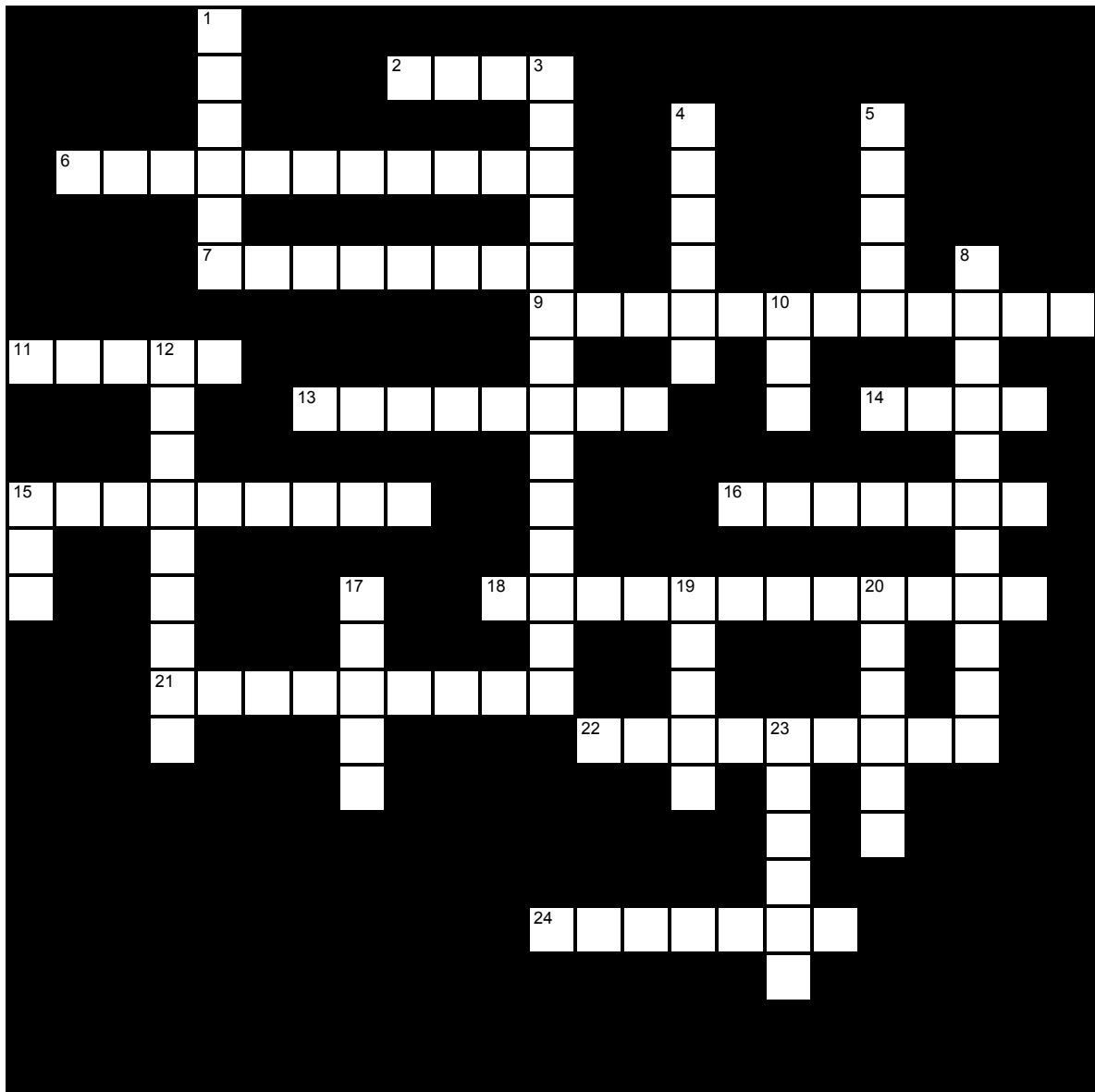


Roots

Name: _____

Hour: _____



Across

- 2 Type of specialized root that helps support large plants like corn (4)
- 6 A mutualistic relations between fungus _____ and roots in which both species benefit (11)

Down

- 1 Tissue that stores food & nutrients in the root (6)
- 3 Specialized root that transports oxygen to submerged root systems (14)
- 4 A root which extends from a parent plant and forms a separate offspring (6)

- 7 The dividing layer of cells found at the tip of the root (8)
- 9 Roots that grow from a stem node are called _____ roots (12)
- 11 The vascular tissue that transport water in the root (5)
- 13 A cactus would have this type of root system (8)
- 14 In larger plant, the cortex will evolve into this (4)
- 15 The flow of water and nutrients is blocked in a mature root by the _____ strip (9)
- 16 Roots thicken due to growth from the _____ meristem (7)
- 18 Root hairs arise from _____ found in the epidermis (12)
- 21 The outer covering of a root (9)
- 22 If apical meristem is damaged or lost, new apical meristem can be made from the _____. (9)
- 24 These structures form due to a mutualistic relationship between nitrogen fixing bacteria and roots (7)
- 5 Occurs when the roots of two different species grow together and merge as one (5)
- 8 A modified root designed to pull a plant deeper in the soil, like a bulb or corm (11)
- 10 Type of root system that has a single, large root (3)
- 12 Specialized roots used by parasitic plants to grow on other plants, like mistletoe (9)
- 15 The root _____ provides additional protection at the tips (3)
- 17 The vascular tissue of xylem and phloem found in the center of a root is called the _____ (5)
- 19 The root _____ are extensions from the epidermis that increase the surface area for absorption (5)
- 20 The _____ meristem is located at the tip of the root (6)
- 23 The center-most tissue found in roots (6)