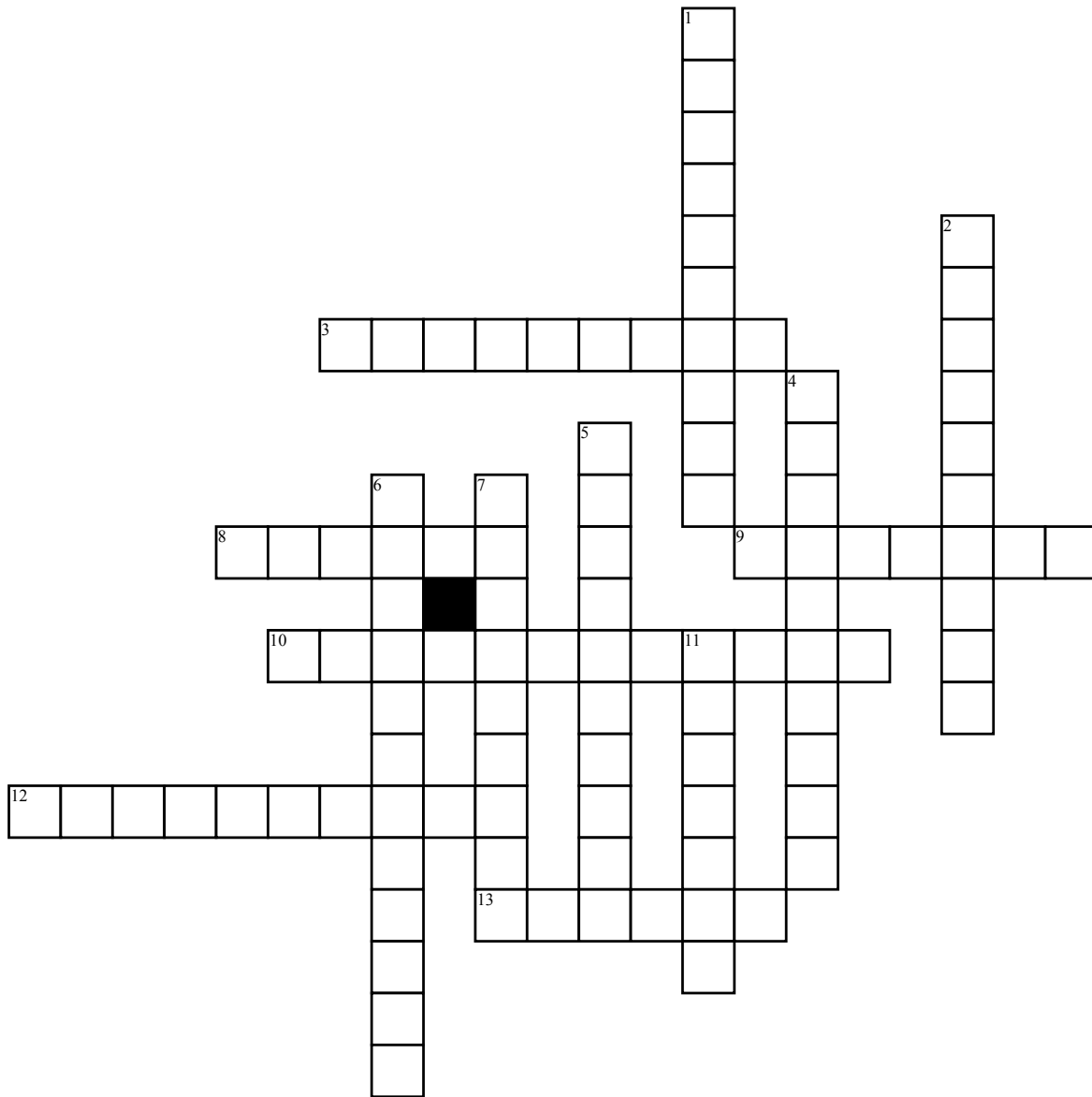


Osseous Tissue



Across

- 3.** Mature bone cell
8. Miniature weight-bearing pillars
9. Each tube of an osteon; a layer of bone matrix
10. Bones weaken as osteoclast outwork osteoblasts
12. Network in spongy bone

13. Hydroxyapatite and collagen

Down

- 1.** Covers bone and contains 2 layers
2. An immature bone cell which produces the matrix
4. Canals in lamellae that allow osteocytes to pass nutrients and wastes from cell to cell

5. Break down bone by secreting digestive enzymes

- 6.** Blood vessels which supply nutrients to the osteon
7. Covers internal bone surfaces and contains 1 layer
11. Matrix secreted by osteoblasts