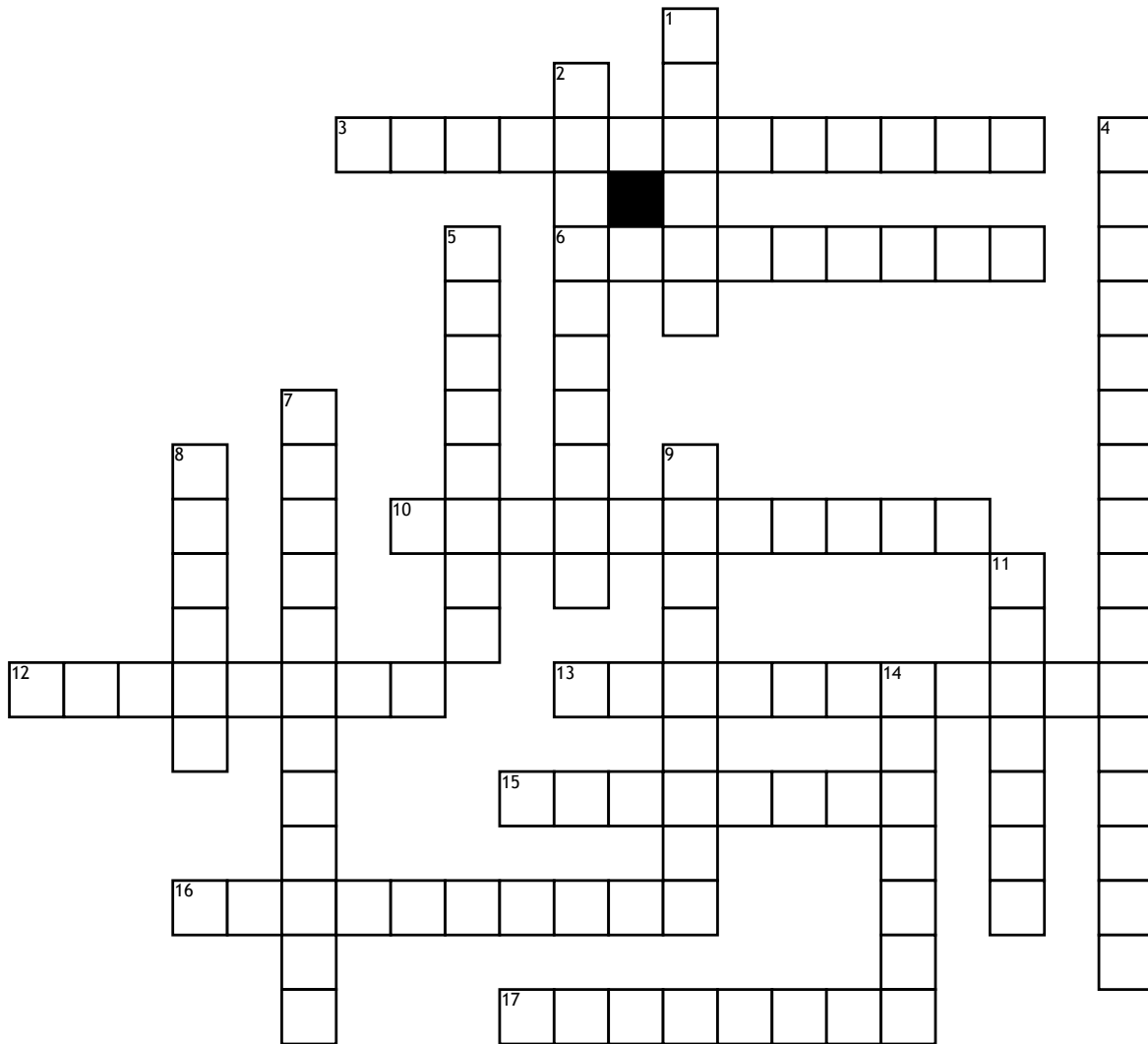


Nail Structure & Growth



Across

- 3. Thin layer of tissue that attaches the nail plate and the nail bed
- 6. Folds of normal skin that surround the natural nail plate.
- 10. AKA the ONYX; the hard protective plate is composed mainly of keratin, the same fibrous protein found in skin and hair.
- 12. Composed of several major parts of the fingernail including the nail plate, nail bed, matrix, cuticle, eponychium, hyponychium, specialized ligaments, and nail fold.
- 13. Slightly thickened layer of skin under the nail that lies between the fingertip and free edge of the natural nail plate

15. Tough band of fibrous tissue that connects bones or holds an organ in place.

- 16. Furrow on each side of the nail
- 17. part of the nail plate that extends over the tip of the finger or toe

Down

- 1. Area where the nail plate cells are formed; this area is composed of matrix cells that produce the nail plate
- 2. Living skin at the base of the natural nail plate that covers the matrix area
- 4. When the nail is abnormal in shape or form.

5. AKA lateral nail fold; the fold of skin overlapping the side of the nail.

- 7. The tissue bordering the root and sides of a fingernail or toenail
- 8. Visible part of the matrix that extends from underneath the living skin; it is the whitish, half-moon shape at the base of the nail

9. Hardened keratin plate that sits on and covers the natural nail bed. It is the most visible and functional part of the natural nail unit.

- 11. Portion of the living skin that supports the nail plate as it grows toward the free edge
- 14. Dead, colorless tissue attached to the natural nail plate