

Milady Chapter 9 Final Exam Study Guide and Milady Chapter 9(Actual Exam with Complete Solution

1. The natural nail is part of what system? - ANSWER Integumentary
2. The natural nail is composed mainly of a hard, fiber-shaped _____. - ANSWER Protein
3. What is true of the nail plate? - ANSWER It is more porous than normal skin of equal thickness.
4. As it grows, the _____ slides across the nail bed. - ANSWER Nail plate
5. The nail plate is formed by _____. - ANSWER Matrix cells
6. What may appear to be one solid piece, but is actually constructed of about 100 layers of nail cells? - ANSWER Nail plate
5. The part of the nail plate that extends over the tip of the finger or toe is called the _____. - ANSWER Free edge
8. The portion of living skin that supports the nail plate is the nail _____. - ANSWER Bed
9. Which part of the nail unit is richly supplied with blood vessels and with nerves? - ANSWER Nail bed
10. The nail bed contains many nerves and is attached to the nail plate with a thin layer of tissue called the _____. - ANSWER Bed epithelium
11. Karen is very nervous at her first job interview . Her hands are sweating so much that she thinks her fingernails are sweating. In reality, from which part of the nail is the sweat most likely arising? - ANSWER Nail folds
12. Nail polish is applied to the _____. - ANSWER Nail plate
13. The area of the nail where the nail plate cells are formed is the _____. - ANSWER Matrix
14. The lighter color of the _____ shows the true color of the matrix. - ANSWER Lunula

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ω represents the frequency of a sine wave when we write it this way $\sin \omega t$ if $\omega = 1$ the sin completes one cycle in 2π seconds if $\omega = 2\pi$ the sin completes one cycle sooner every 1 second for $f = 1$ if $\omega = 2\pi f$ the sin completes one cycle even faster every $1/f$ seconds or equivalently sin completes f cycles in 1 second

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