



EXERCISES

Remember to check your answers carefully with the Answers to Exercises, page 684.

A Select from the following terms to complete the sentences below.

adipocyte
basal layer
collagen
cuticle

dermis
keratin
lunula

melanin
sebum
stratum corneum

1. A fat cell is a/an _____.
2. The half-moon-shaped white area at the base of a nail is the _____.
3. A structural protein found in skin and connective tissue is _____.
4. A black pigment found in the epidermis is _____.
5. The deepest region of the epidermis is the _____.
6. The outermost layer of the epidermis, which consists of flattened, keratinized cells, is the _____.
7. An oily substance secreted by sebaceous glands is _____.
8. The middle layer of the skin is the _____.
9. A hard, protein material found in epidermis, hair, and nails is _____.
10. A band of epidermis at the base and sides of the nail plate is the _____.

B Complete the following terms based on their meanings as given below.

1. the outermost layer of skin: epi_____
2. profuse sweating: dia_____
3. excessive secretion from sebaceous glands: sebo_____
4. inflammation and swelling of soft tissue around a nail: par_____
5. fungal infections of hands and feet: dermato_____
6. burning sensation (pain) in skin: caus_____

C Match the terms in Column I with the descriptive meanings in Column II. Write the letter of the answer in the space provided.

COLUMN I

1. squamous epithelium _____
2. sebaceous gland _____
3. albinism _____
4. electrocautery _____
5. subcutaneous tissue _____
6. collagen _____
7. dermis _____
8. melanocyte _____
9. erythema _____
10. dermabrasion _____

COLUMN II

- A. connective tissue layer of skin
- B. surgical procedure to scrape away tissue
- C. flat, scale-like cells
- D. connective tissue protein
- E. pigment deficiency of the skin
- F. contains a dark pigment
- G. redness of skin
- H. contains lipocytes
- I. oil-producing organ
- J. knife used to burn through tissue

D Build medical terms based on the definitions and word parts given.

1. surgical repair of the skin: dermato_____
2. pertaining to under the skin: sub_____
3. abnormal condition of lack of sweat: an_____
4. abnormal condition of proliferation of horny, keratinized cells: kerat_____
5. abnormal condition of dry, scaly skin: _____osis
6. loosening of the epidermis: epidermo_____
7. yellow tumor (nodule under the skin): _____oma
8. pertaining to under the nail: sub_____
9. abnormal condition of fungus in the hair: _____mycosis
10. abnormal condition of nail fungus: onycho_____
11. removal of wrinkles: _____ectomy

E Give the meanings for the following combining forms.

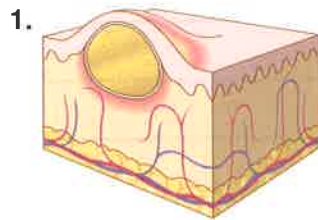
1. melan/o _____
2. adip/o _____
3. squam/o _____
4. xanth/o _____
5. myc/o _____
6. onych/o _____
7. pil/o _____
8. xer/o _____
9. trich/o _____
10. erythem/o _____
11. albin/o _____
12. ichthy/o _____
13. hidr/o _____
14. ungu/o _____
15. cauter/o _____
16. steat/o _____
17. rhytid/o _____

F Match each of the following lesions with their illustrations below (Figure 16-22).

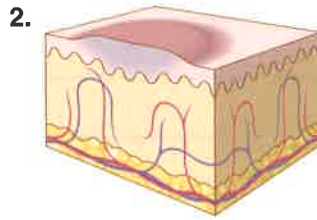
cyst
crust (scab)
erosion
fissure

macule
nodule
papule
polyp

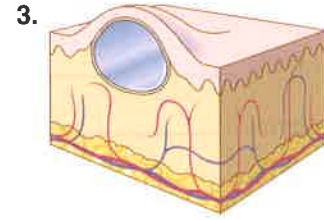
pustule
ulcer
vesicle
wheal



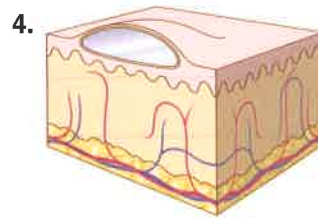
(pus-filled)



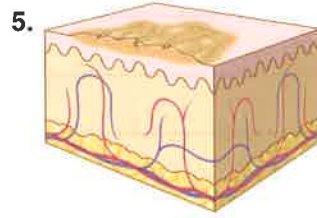
(smooth, slightly elevated, edema)



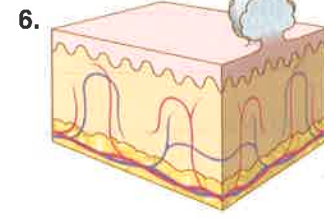
(fluid or semisolid thick-walled filled sac)



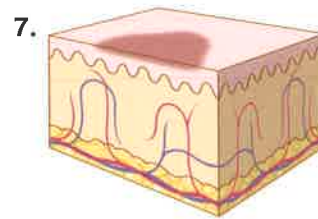
(clear fluid, blister)



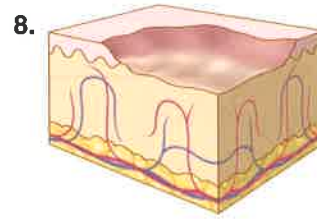
(dried serum and cellular debris)



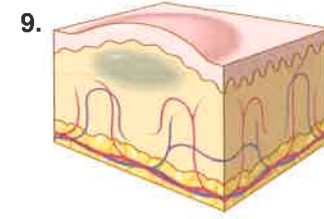
(benign growth extending from mucous membrane surface)



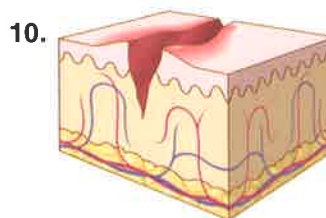
(discolored, flat)



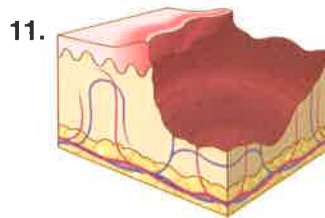
(wearing away, loss of epidermis)



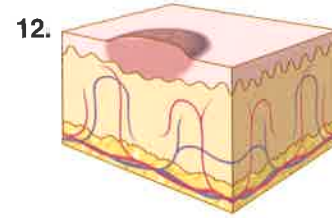
(solid, elevated mass, more than 1 cm)



(slit, groove)



(open sore on skin or mucous membrane)



(small, solid elevation, pimple or plaque)

FIGURE 16-22 Cutaneous lesions.

G Give the medical terms for the following.

1. baldness _____
2. bluish black mark (macule) caused by hemorrhages into the skin _____
3. itching _____
4. acute allergic reaction in which red, round wheals develop on the skin _____
5. blackhead _____
6. small, pinpoint hemorrhages _____

H Match the pathologic skin condition with its description below.

acne vulgaris
 basal cell carcinoma
 decubitus ulcer
 eczema

gangrene
 impetigo
 malignant melanoma
 psoriasis

scleroderma
 squamous cell carcinoma
 systemic lupus erythematosus
 tinea

1. malignant neoplasm originating in scale-like cells of the epidermis _____
2. buildup of sebum and keratin in pores of the skin leading to papular and pustular eruptions

3. fungal skin infection _____
4. chronic disease marked by hardening and shrinking of connective tissue in the skin

5. bedsore _____
6. necrosis of skin tissue resulting from ischemia _____
7. chronic or acute inflammatory skin disease with erythematous, pustular, or papular lesions

8. widespread inflammatory disease of the joints and collagen of the skin with “butterfly” rash on the face _____
9. cancerous tumor composed of melanocytes _____
10. chronic, recurrent dermatosis marked by silvery-gray scales covering red patches on the skin

11. malignant neoplasm originating in the basal layer of the epidermis _____
12. contagious, infectious pyoderma _____

I Circle the term that best fits the definition given.

1. contagious parasitic infection with intense pruritus: (**scleroderma, scabies**)
2. measles: (**rubella, rubeola**)
3. chickenpox: (**varicella, eczema**)
4. thickened cicatrix (scar): (**tinea, keloid**)
5. white patches on mucous membrane of tongue or inner cheek: (**leukoplakia, albinism**)
6. characterized by a rash: (**gangrene, exanthematous**)
7. thickening of epidermis related to sunlight exposure: (**actinic keratosis, callus**)
8. small, pinpoint hemorrhages: (**psoriasis, petechiae**)
9. large blisters: (**bullae, pustules**)
10. colored pigmentation of skin (mole): (**nevus, verruca**)
11. sac of fluid and hair over sacral region: (**ecchymosis, pilonidal cyst**)
12. acute allergic reaction in which hives develop: (**vitiligo, urticaria**)

J Describe the following types of burns.

1. second-degree burn _____
2. first-degree burn _____
3. third-degree burn _____

K Match the following medical terms with their more common meanings below.

alopecia	exanthem	tinea pedis
comedones	nevi	urticaria
decubitus ulcer	pruritus	verrucae
ecchymosis	seborrheic dermatitis	vesicles

1. blackheads _____
2. moles _____
3. baldness _____
4. itching _____
5. hives _____
6. bedsore _____
7. warts _____
8. athlete's foot _____
9. "black-and-blue" mark _____
10. dandruff _____
11. blisters _____
12. rash _____

L Describe how the following conditions affect the skin.

1. pyoderma _____
2. xeroderma _____
3. leukoderma _____
4. erythema _____
5. callus _____
6. keloid _____
7. gangrene _____

M Give short answers for the following.

1. Two skin tests for allergy are _____ and _____.
2. The _____ test is an intradermal test for diphtheria.
3. The _____ test and the _____ test are skin tests for tuberculosis.
4. Purulent means _____.
5. A surgical procedure to core out a disk of skin for microscopic analysis is a/an _____.
6. The procedure in which thin layers of a malignant growth are removed and each is examined under the microscope is _____.
7. A type of skin cancer associated with AIDS and marked by dark blue-purple lesions over the skin is _____.
8. Abnormal, premalignant moles are _____.
9. Removal of skin tissue using a cut parallel to the surface of the surrounding skin is called a/an _____.
10. Destruction of tissue by use of intensely cold temperatures is _____.
11. Scraping away skin to remove acne scars and fine wrinkles on the skin is _____.
12. Removal of subcutaneous fat tissue by aspiration is _____.
13. Destruction of tissue using an electric spark is _____.
14. Use of a sharp spoon-like instrument to scrape away tissue is _____.

N Circle the term that best completes the meaning of the sentence.

1. Since he had been a teenager, Jim had had red, scaly patches on his elbows and behind his knees. Dr. Horn diagnosed Jim's dermatologic condition as (**vitiligo, impetigo, psoriasis**) and prescribed a special cream.
2. Clarissa noticed a rash across the bridge of her nose and aching in her joints. She saw a rheumatologist, who did some blood work and diagnosed her condition as (**rheumatoid arthritis, systemic lupus erythematosus, scleroderma**).
3. Bea had large red patches all over her trunk and neck after eating shrimp. The doctor prescribed hydrocortisone cream to relieve her itching (**seborrhea, acne, urticaria**).
4. The poison ivy Maggie touched caused very uncomfortable (**pruritus, calluses, keratosis**), and she was scratching her arms raw.
5. Kelly was fair-skinned with red hair. She had many benign nevi on her arms and legs, but Dr. Keefe was especially worried about one pigmented lesion with an irregular, raised border, which he biopsied and found to be malignant (**melanoma, Kaposi sarcoma, pyoderma**).
6. After 5 days of high fever, 3-year-old Sadie developed a red rash all over her body. The pediatrician described it as a viral (**eczema, purpura, exanthem**) and told her mother it was a case of (**rubeola, impetigo, scabies**).
7. Several months after her surgery, Mabel's scar became raised and thickened. It had (**atrophied, stratified, hypertrophied**), and her physician described it as a (**nevus, verruca, keloid**).
8. Perry had a bad habit of biting his nails and picking at the (**follicle, cuticle, subcutaneous tissue**) surrounding his nails. Often, he developed inflammation and swelling of the soft tissue around the nail, a condition known as (**onychomycosis, onycholysis, paronychia**).
9. Brenda noticed a small papillomatous wart on her hand. Her (**oncologist, dermatologist, psychologist**) explained that it was a (**pustule, polyp, verruca**) and was caused by a (**bacterium, virus, toxin**). The doctor suggested removing it by (**Mohs surgery, cryosurgery, dilation and curettage**).
10. Sarah, a teenager, was self-conscious about the inflammatory lesions of papules and pustules on her face. She noticed blackheads or (**wheals, bullae, comedones**) and whiteheads (collections of pus). She was advised to begin taking antibiotics and medications to dry her (**acne vulgaris, scleroderma, gangrene**).

