The Skin pg. 488

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| What are the functions of the skin?  How does skin protect the body?  How does skin maintain temperature?  How does skin eliminate waste?  How does skin gather information?  How does skin produce vitamin D?  What is the epidermis?  What is the structure of epidermis?  What is the function of the epidermis? | 1. Protects body from injury  2. Eliminates waste  3. Produces vitamin D  4. Regulates body temperature  5. Gathers info about the environment  Skin creates a barrier that keeps bacteria/viruses out  Skin keeps you cool by sweating.  Dissolved materials are eliminated through sweat.  1. Pressure  2. Pain  3. Temperature  Skin absorbs sunlight to produce vitamin D (healthy bones)  Epidermis is the outer layer of skin  Cells begin deep in the skin and then push out over time (about 2 weeks)  1. Dead skin cells provide cushion and protection  2. Shedding dead skin carries away bacteria  3. Produce fingernails  4. Produce melanin (skin color=tan) |