BSAA

Muscle Unit Test Review

Dermis (sketch the picture that contains epidermis, dermis and subcutaneous layer) contains the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is the thickest layer,

Melanin is the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ More melanin \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_from the ultraviolet light

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_allow for evaporation of moisture from the skin surface allowing cooling (what about the opposite effect?) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Skin cells are constantly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – and multiplying therefor repair and growth are very easy to see

When a bone is broken, cartilage keeps the bones together\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then a mass of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_forms. Neither cartilage nor spongy tissue provide the strength, which is formed last.

Muscle contraction is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_process, while extension is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_controls the muscles that enable us to walk.

Long distance bicycle riders generally have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_muscles in their legs than weight lighters. These fibers do not \_\_\_\_\_\_\_\_\_\_\_\_\_in size with exercise. The muscles of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_contain more fast twitch muscles which do grow in size with exercise.

During muscle contraction you will notice the Z lines (actin and myosin) will get closer together due to an increase in\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

First degree burns will not cause deep burns, with these there is only minor damage. Third degree will cause\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (skeletal) is found in the integumentary system

Axial = body core Appendicular = appendages (which attach to the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

\_\_\_\_\_\_\_\_\_\_\_allow the appendicular skeleton to move –\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_allow muscle to contract and relax in pairs.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are stored in the bones

Blood vessels are lined with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tissue

Presence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in the muscle will result in longer stretches of movement

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in the muscle will result in more oxygen for long distance endurance. So a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_will result in an individual being able to compete long distance running, swimming, etc.

Which type of muscle is striated and found throughout the body – \_\_\_\_\_\_\_\_\_\_\_\_

Which type of muscle is both striated and involuntary in the body – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which type of muscle is involuntary and found throughout the body – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Difference between dermis and epidermis – epidermis thickness is usually\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_– while dermis is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Dermis is the layer that contains\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, muscle fiber and oil glands

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the outer layer of skin compared to the dermis

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_makes skin waterproof

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of skin can be called the insulation layer in mammals

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ provide Oil to prevent the skin from drying out

Some environments will little sunlight will Decreased exposure to the sun and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_produced by the skin

If any section of skin is removed the threat of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_could enter the body, causing an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The person bleeds, The blood Clots, a Scab is formed, white blood cells enter the area, new skin cells fill the area. Is the correct sequence of healing for an injury to the skin. Know the order!!!!

If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_never occurred – you would have no formation of bone – all you would have would be cartilage.

If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_were functioning correctly – you would have proper bone growth – blasts break down bone to make way for new bone.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ allows for the skin to connect to bone while still maintaining flexibility.

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_forms where the break occurred, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ then forms at the break, followed by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Finally \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fills the space.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_organelles will be found in muscles that complete a lot of movement or work

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_function in opposite reaction – extending the arm straight out would not be possible if the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_was severed

If your \_\_\_\_\_\_\_\_\_\_\_\_\_\_was voluntary we would not be able to think about anything else because we would be focused on each beat of our heart.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are designed to ceate a barrier to the outside by the flat overlapping appearance of cells

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_may enter the body if you do not have a scab

Bone marrow transplant would be needed if you have any\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Sprinters muscles get tired after short distances and therefore would not be good at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chicken wings are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_due to the high energy demands of flying there fore containing a lot of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_– \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_resulting in a darker appearance.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_causes the myosin and active to attach to each other, then the actin filament move toward the center of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_filaments do not actually move toward the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After a long period of time oxygen is replaced with\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This change in respiration is from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_respiration.

Damage to the dermis destroyed the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, during a third degree burn sometimes the feeling of pain is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_with no functioning nerve cells

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Both are layers of skin, epidermis is the outer thinner portion. The dermis is the thicker inner layer of skin. The epidermis is made up of epithelial cells. It contains keratin – which is waterproof. Dermis is made of connective tissue and contains nerve cell muscle fiber sweat glands and hair follicles

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Both are ways muscle move and refer to control in the body. Voluntary muscle is under conscious control, so that you have to think about each and every movement. Involuntary moves according to stimuli in the nervous system regardless of the thoughts of the individual.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Because of it consists of tissues joined together to perform specific activities. Functions include regulation of body temperature, to maintain homeostatis , protection and sensing information from the environment.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Destroy of the epidermis and large portion of the dermis. Skin cells in the area of the burn are killed and must regrow or be replaced by a skin graft

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Positive – Vit D production Negative – damage of skin cells and accelerate the aging process can cause cancer due to exposure

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Pressing a blood vessel against a bone may compress the blood vessel, blocking the flow of blood out of the body. This may help to control bleeding and allow for clotting.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Child’s bone have more collagen and fewer minerals than adults. This makes them brittle and less likely to break. Bones of children tend to heal more quickly. Contain additional red bone marrow than adult and adult contain more yellow bone marrow.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Regulates body temperature

 Produces vitamin D – bone formation

 Sense to touch – protects from UV light through the production of melanin

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Found in the digestive tract, organs and reproductive tract

 These work on their own outside of conscious control

 Smooth muscle would pull attention away from other functions