ANATOMY AND PHYSIOLOGY ANSWER KEY

Holt Invitational February 20, 2016

**Station 1**

1. Stratum Basale (epidermis ½ pt)
2. Sweat gland
3. Hair shaft
4. Arrector pili muscle
5. Sebaceous gland

**Station 2**

1. D
2. A
3. B
4. A
5. Cervical, Thoracic, Lumbar

**Station 3**

1. Pectoralis major
2. Serratus Anterior
3. Rectus Abdominus
4. Latissimus Dorsi
5. They flex the lower leg

**Station 4**

1. Cardiac
2. Smooth
3. Skeletal
4. Skeletal
5. Cardiac
6. Smooth

**Station 5**

1. Femur
2. Frontal bone
3. Ulna
4. Radius
5. Clavicle

**Station 6**

1. Ulna
2. Lower arm
3. Clavicle
4. Upper Chest/ Shoulder
5. Vertebrae- Thoracic
6. Spinal cord- Thoracic region

**Station 7**

1. Myofibril
2. Sarcomere
3. Mitochondria
4. Friction, respiration (ATP Synthesis)
5. BLANK/VOID

**Station 8**

1. B
2. Cells are dead in the outer layer and alive in the inner layer
3. UV Radiation

**Station 9**

1. Sternum
2. Carpals
3. Patella
4. Tibia
5. Fibula
6. Scapula

**Station 10**

1. Epidermis
2. C
3. A
4. B