About Science Prof Online PowerPoints

• Science Prof Online (SPO) is a free science education website that provides science-related articles, images, and virtual classrooms. The site is designed to be a helpful resource for students, educators, and anyone interested in learning about science.

• The SPO Virtual Classrooms offer many educational resources, including practice test questions, review questions, lecture PowerPoints, video tutorials, sample assignments and course syllabi.

• The SPO PowerPoints, such as this one, can be found in different formats such as the fully editable PowerPoint, the PowerPoint slideshow and video tutorials for PC and Mac. Please email us at alicia@scienceprofonline.com if a format you need is not available.

• Images used on this resource and on the SPO website are, wherever possible, credited and linked to their source. Any words underlined and appearing in blue are links that can be clicked on for more information.

• Several helpful links to fun and interactive learning tools are included on the Smart Links slide, near the end of the PowerPoint

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From the Virtual Anatomy Classroom on ScienceProfOnline.com

Image: Compound microscope objectives, T. Port

Anatomy Lecture Series 1

Human Body Orientation: Part 3: Regional Terms

How do you find a body structure using regional terms?
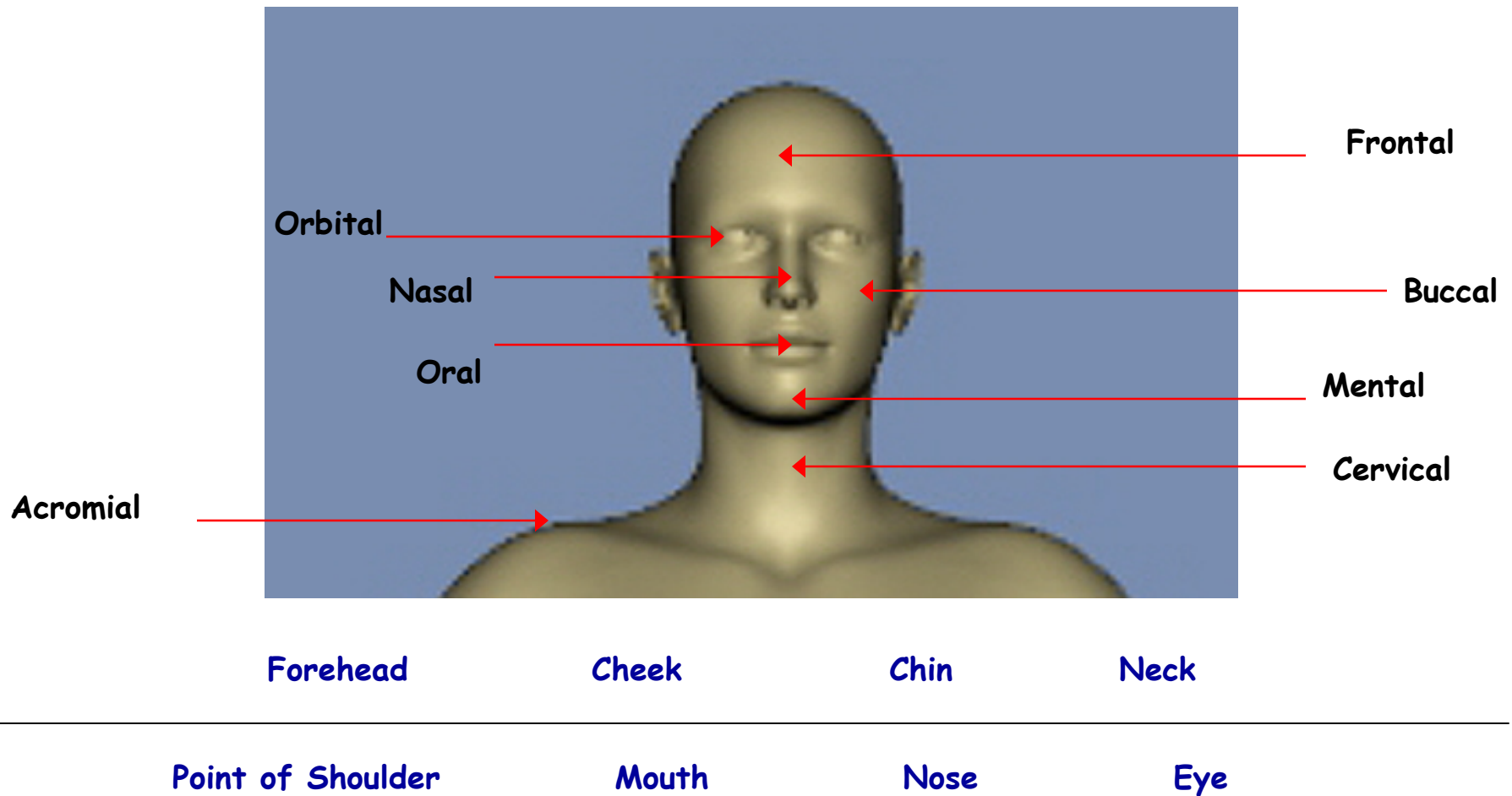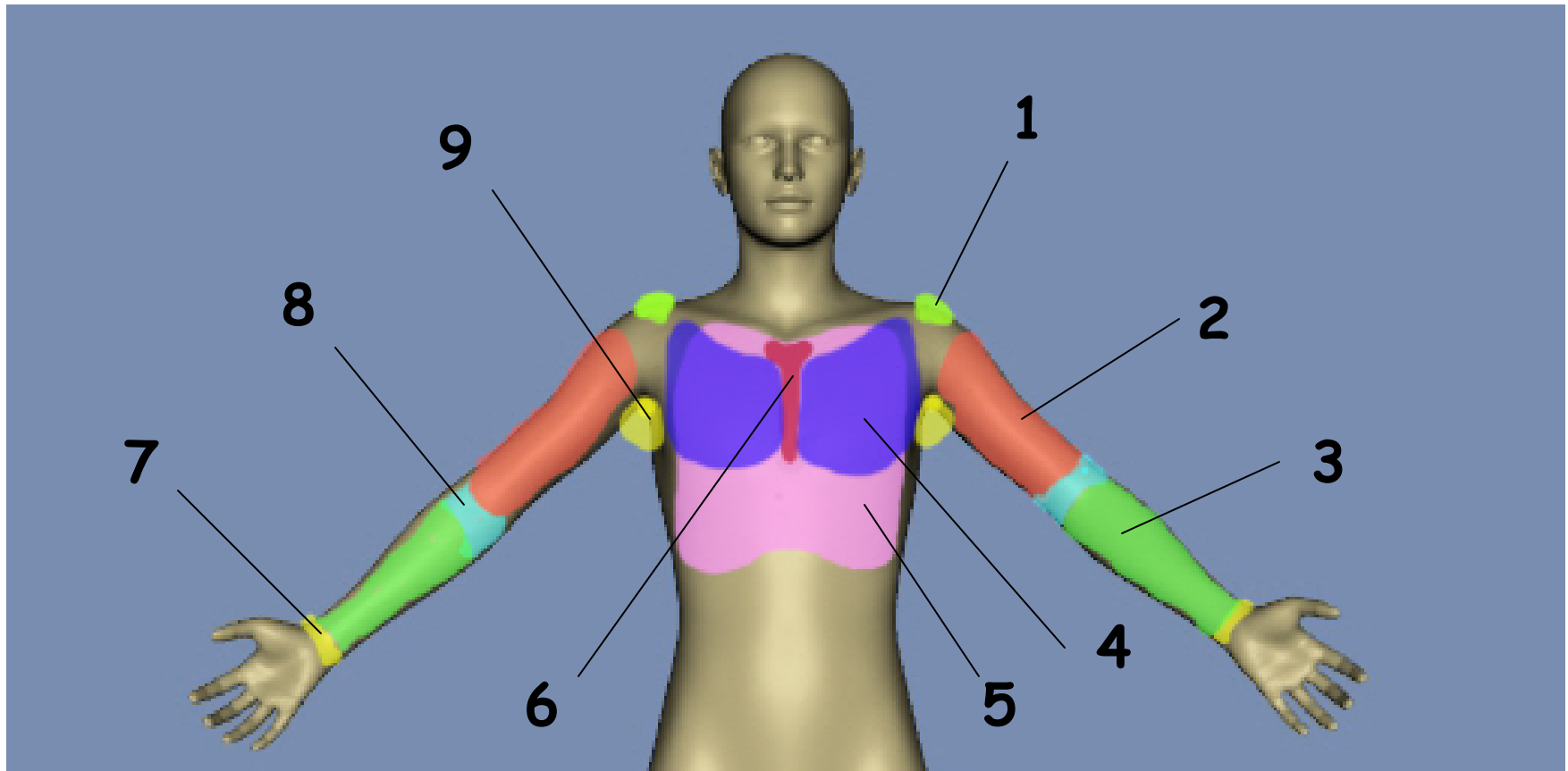
Why are there so many crazy sounding terms?

5th Century Anatomical Drawing

- anatomy is an old science that has been recorded in books and drawings since 300 B.C.

- Galen, a physian for gladiators during the 2nd century A.D., wrote texts in Greek for fellow physians

- Many early Greek and Arabic anatomy texts were translated into Latin

- After the 14th century A.D. Latin was the primary language used for the sciences

Anatomical Regions of the Head and Neck

Frontal

Orbital

Nasal

Buccal

Oral

Mental

Cervical

Acromial

Forehead   **Cheek**   **Chin**   **Neck**

Point of Shoulder   **Mouth**   **Nose**   **Eye**
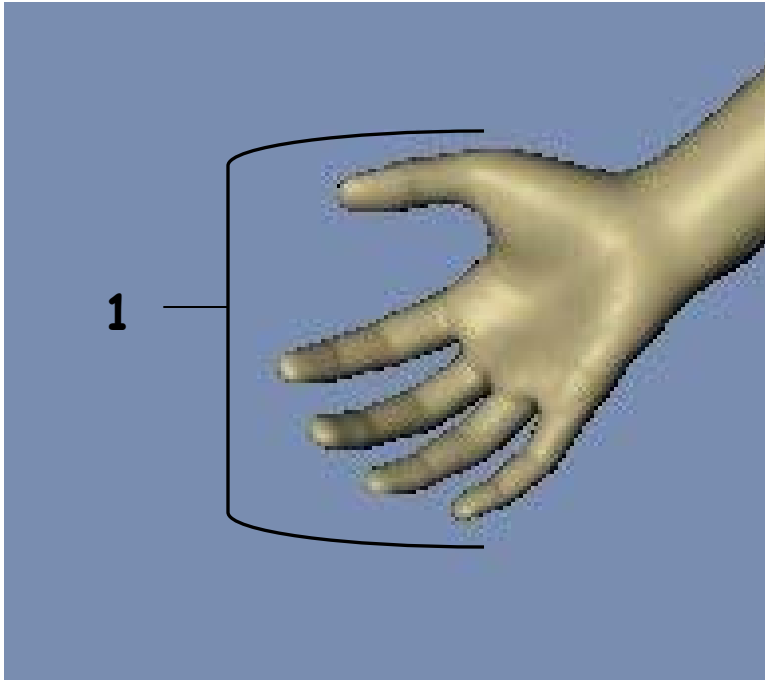
Anatomical Regions of the Chest and Arms

- 1. **Acromial** – point of shoulder
- 2. **Brachial** - arm
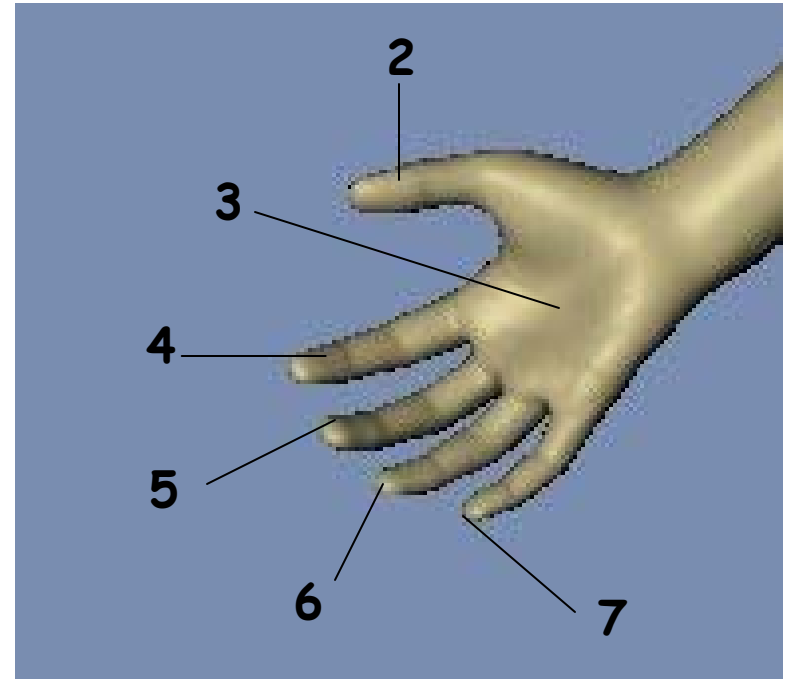- 3. **Antebrachial** - forearm
- 4. **Mammary** - breast
- 5. **Thoracic** – chest
- 6. **Sternal** - breastbone
- 7. **Carpal** - wrist
- 8. **Antecubital** – front of elbow
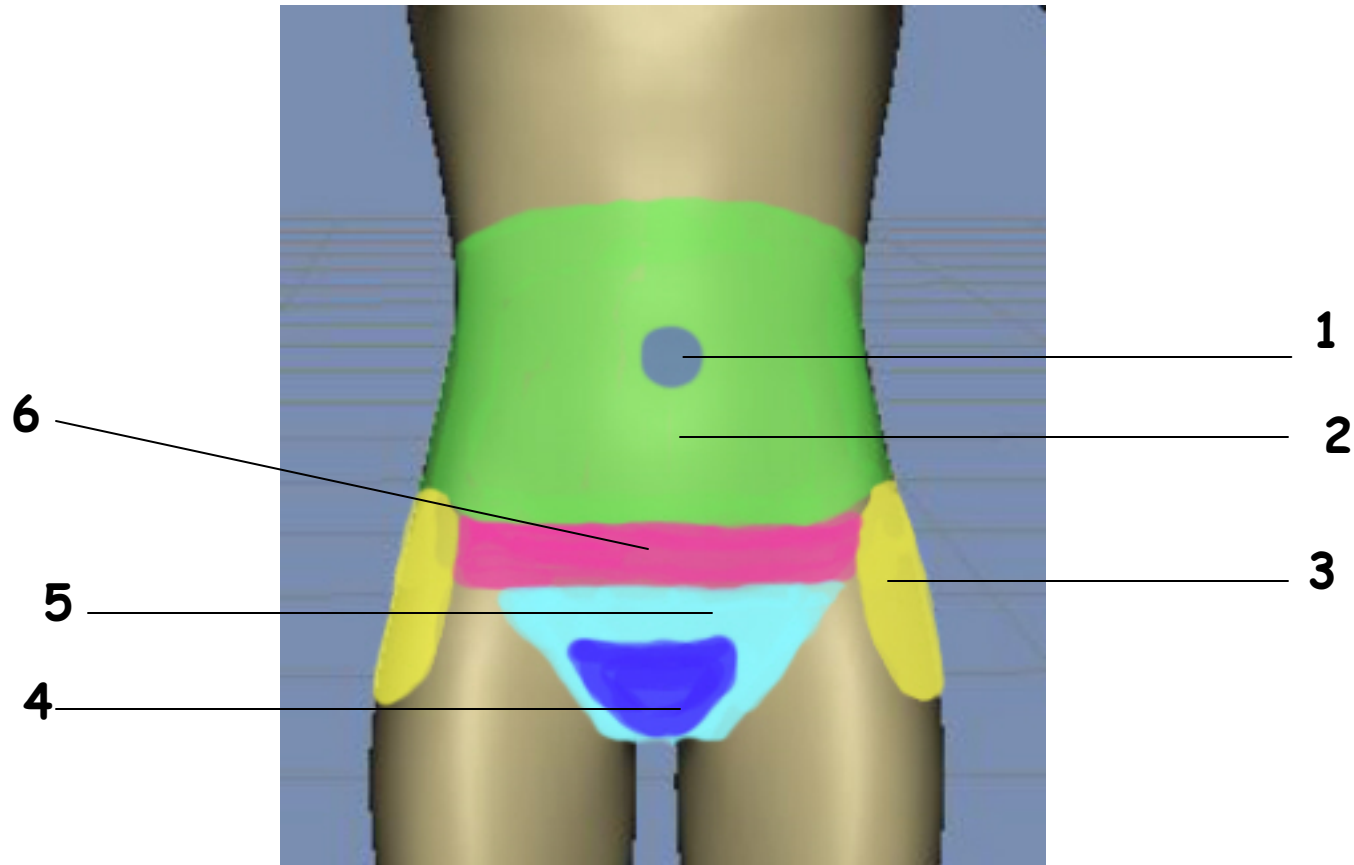- 9. **Axillary** - armpit

Anatomical Regions of the Hand

•1. **Manus** - hand

Is this the left or right hand?

•2. **Pollex** – thumb

•3. **Palmer** - palm

•4. **Digit 2** – index finger

•5. **Digit 3** - middle finger

•6. **Digit 4** – ring finger

•7. **Digit 5** – pinkie finger

Anatomical Regions of the Lower Torso

1

2

6

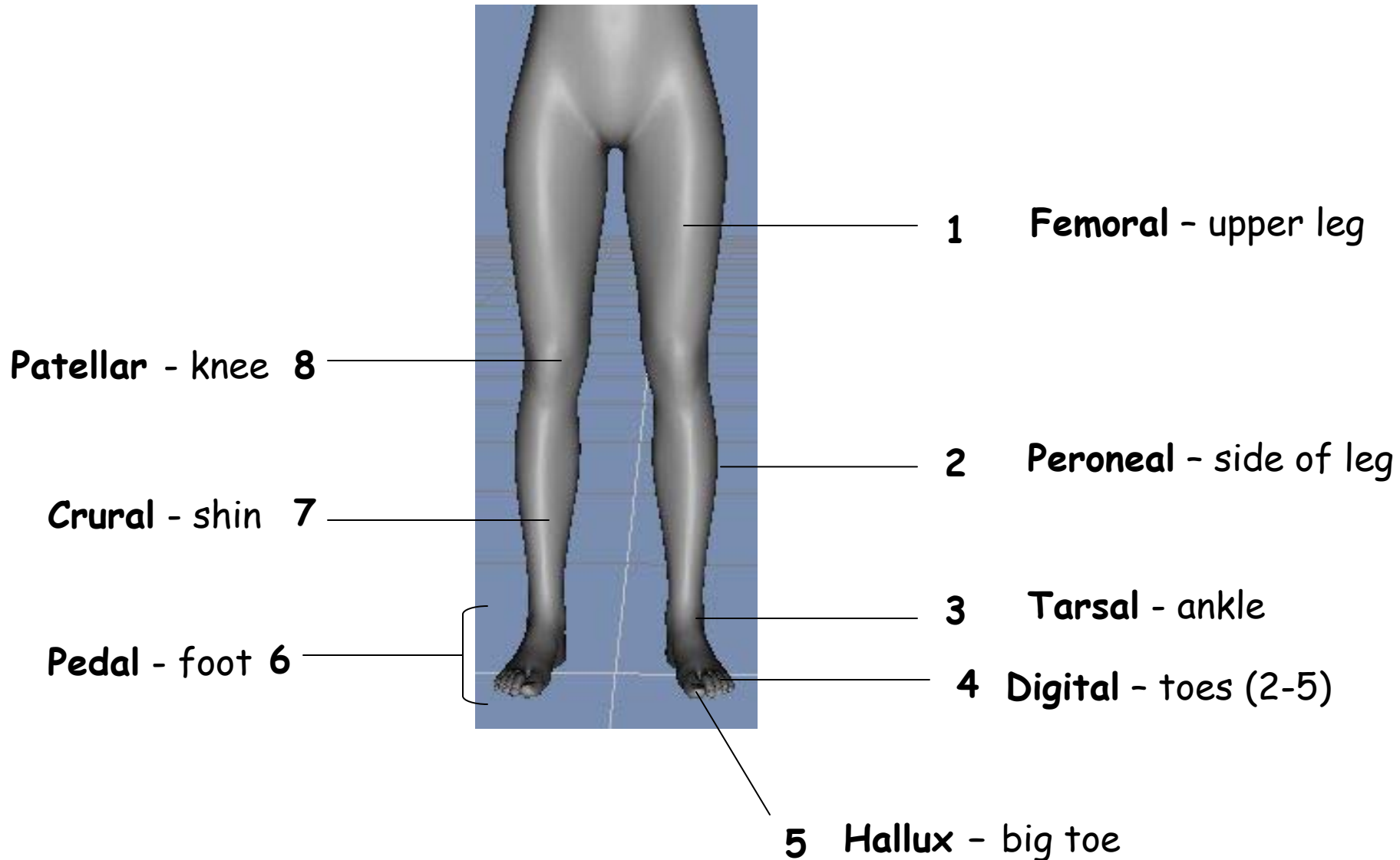3

5

4

•1. **Umbilical** – navel

•2. **Abdominal** – abdomen
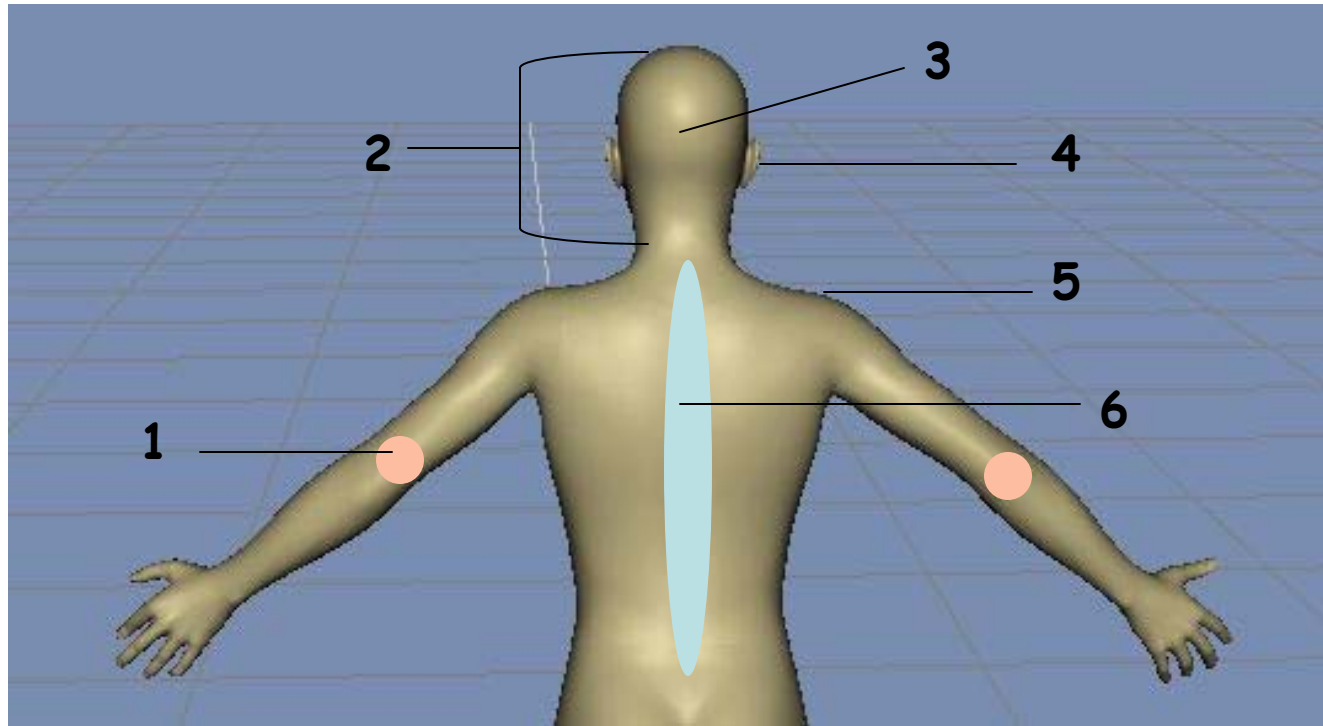
•3. **Coxal** - hips

•4. **Pubic** – genital

•5. **Inguinal** – groin

•6. **Pelvic** - pelvis

Anatomical Regions of the Legs and Feet

1 **Femoral** – upper leg

Patellar - knee **8**

2 **Peroneal** – side of leg

Crural - shin **7**

3 **Tarsal** - ankle

Pedal - foot **6**

4 **Digital** – toes (2-5)

5 **Hallux** – big toe

Anatomical Regions of the Dorsal Head and Upper Torso

1. **Olecranal** – back of elbow
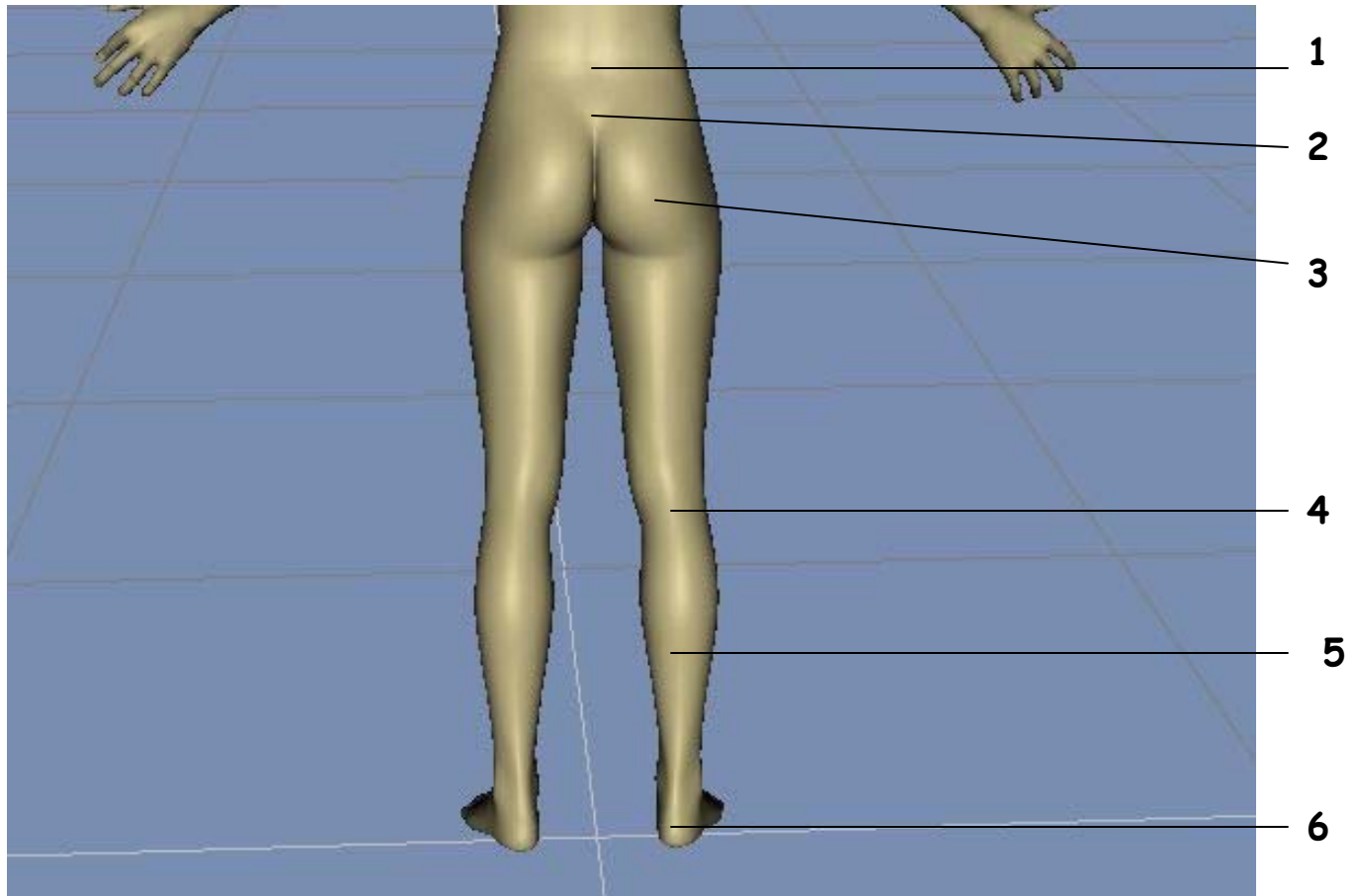
2. **Cephalic** – head

3. **Occipital** – back of head

4. **Otic** - ear

5. **Acromial** – point of shoulder

6. **Vertebral** – spinal column

Anatomical Regions of the Dorsal Lower Torso

1. **Lumbar** – lower back
2. **Sacral** – tailbone
3. **Gluteal** – buttocks
4. **Popliteal** – back of knee
5. **Sural** – back of calf
6. **Calcaneal** – heel

Smart Links

These links can help you review or learn more about this topic

- Flashcards for all regional terms from quizlet- sign up for the free account to access all features

  http://quizlet.com/6298736/regional-terms-of-the-human-body-flash-cards/

- Animated review of body parts

  http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP14904

- Animated Game from Elaine Marieb "Human Anatomy" Click on language of Anatomy

  http://wps.aw.com/bc_marieb_happlace_7_oa/42/10963/2806744.cw/index.html

(You must be in PPT slideshow view to click on links.)