

Unit 1 – Intro to Animal Anatomy & Physiology

Study Guide

1. Definitions:
 - a. Anatomy
 - b. Gross Anatomy
 - c. Microscopic Anatomy
 - d. Physiology
 - e. Bilateral Symmetry
2. Major Body Systems
 - a. Skeletal
 - b. Integumentary
 - c. Nervous
 - d. Cardiovascular
 - e. Respiratory
 - f. Digestive
 - g. Muscular
 - h. Sensory
 - i. Endocrine
 - j. Urinary
 - k. Reproductive
3. Anatomical Planes
 - a. Sagittal
 - b. Median
 - c. Transverse
 - d. Dorsal
4. Directional Terms
 - a. Medial vs. lateral
 - b. Dorsal vs. ventral
 - c. Cranial vs. caudal
 - d. Posterior vs. anterior
 - e. Superior vs. inferior
 - f. Proximal vs. distal
 - g. Palmar vs. plantar
 - h. Carpus vs. tarsus
 - i. Superficial vs. deep
 - j. Recumbency
 - i. Lateral
 - ii. Dorsal
 - iii. Ventral/sternal

- iv. Prone
- v. Supine

5. Body Cavities

- a. Cranial
- b. Thoracic
- c. Abdominal
- d. Pelvic
- e. Oral
- f. Nasal

6. Levels of Organization

- a. Cells
- b. Tissues
- c. Organs
- d. Systems

7. Homeostasis

- a. Everything working together
- b. Checks and balances for the body