

Lecture #23 – Avian Ancestors

I. Crocodylia

- A. 25 species
- B. Ancient, aquatic lineage of carnivorous vertebrates
 - 1. Adaptations for stealth in water; **ambush hunters**
- C. Elongate snout with powerful jaws
- D. Internal Fertilization
 - 1. Single copulatory organ
- E. Oviparous
 - 1. **Nest building**
 - 2. **Vocalization**
 - 3. **Parental Care**

II. Dinosauria

- A. Extinction Explanations
 - 1 Asteroid impact hypothesis
 - 2. Marine Regression/Habitat Fragmentation Model
- B. Evolutionary Diversity
 - 1. Ornithischia
 - 2. Saurischia
 - a. Theropoda --- direct ancestors to birds

Reading: Chapter 18 - pages 366-367, 372-373.

Questions: Page 373 – 11, 12, and 18.

Reading: Chapter 19 - pages 375-379.

Questions: Page 397 – 1.

