

PSY 402

Theories of Learning

Chapter 8 – Stimulus Control

Space and Time in Humans and Animals

Visual Perception in Pigeons

- Pigeons recognize objects in the same way as humans do.
- Biederman's geons are recognized by both humans and pigeons.
 - **Geon** (geometric ion) – a primitive component of an object.
- When geons were preserved, recognition was better than when they were disrupted.

Conjunction of Features

- Both pigeons and humans experience “pop out” of single features, but not for the conjunction of features (combined features).
- Treisman’s studies were replicated:
 - Conjoined features require additional attention and more processing for pigeons & humans.
 - Peck location was determined using a touchscreen.