Features of Human Growth

- Growth is not steady
- Muscle, Fat, and Bones
  - Bones begin as cartilage
  - Epiphyses
- What is average?
  - Secular growth trends
  - The difference between “average” and “normal”
Physical Growth

- **Mechanisms of Physical Growth**
  - sleep
  - nutrition
- **Adolescent Growth Spurt and Puberty**
  - primary and secondary sex characteristics
  - menarche / spermarche
- **Malnutrition**
- **Eating Disorders**
  - anorexia nervosa and bulimia nervosa
- **Obesity**
- **Disease**
How is the brain organized?

- Neuron
- Dendrite
- Axon
- Myelin
- Terminal buttons
- Neurotransmitters
- Synapse
The Brain

- Synaptic pruning
- Plasticity
- Experience-expectant growth
- Experience-dependent growth
Perceptual and Motor Development

• Smell, Taste, and Touch
• Hearing
  – Auditory threshold
• Seeing
  – Visual acuity
• Sensory Information
Perception and Attention

• Perceiving Objects
  – The visual cliff

• Attention Deficit Hyperactivity Disorder (ADHD)
  – Hyperactivity
  – Inattention
  – Impulsivity
Motor Development

• Locomotion
• Fine-Motor Skills
• Physical Fitness
Questions

Exam #1 on 2/24/10