

Watch the video and submit the answers to these questions for extra credit. Assignment due no later than Sunday, February 5th.

- 1 Is understanding the biology of behavior easy?
- 2 What is the significance of the amygdala?
- 3 What part of the brain will make you vomit if you taste rancid food? What part of the brain is responsible for moral disgust? Relate the phrase, that behavior makes me sick to my stomach.
- 4 After the insula is activated, where does it relay the signal to?
- 5 What is the function of the frontal lobe? What does it make you do?
- 6 Is there bidirectional communication between the frontal lobe and the amygdala? Significance?
- 7 What is dopamine all about? Is it the award or thinking you may get the award produce more dopamine secretion? What word causes the greatest dopamine secretion? Relate this to casinos!
- 8 What functions are related to these structures: fusiform cortex and anterior cingulate
- 9 What hormone is associated with humans at their worst? What is the true behavior associated with testosterone? (It is not what most believe.)
- 10 What is the “grooviest” hormone? Why? What is the misconception? Is it pro-social to everyone? Explain
- 11 At what age is the dopamine system (limbic system) going full blast? When is the frontal cortex fully developed? How does this explain adolescent behavior? Significance
- 12 What part of the brain is least influenced by genes and most shaped by experience and environment?
- 13 How does epigenetics shape behavior? (1) mothers interactions with rat pups (2) rat fetus and mother stress hormones)
- 14 What regulates genes? (genes or environment)
- 15 What three building blocks help us understand how behavior evolved?
- 16 What did Dr. Sapolsky conclude about understanding the biology of behavior?
- 17 What was the final message Dr. Sapolsky wants us to remember?