

EXAM REVIEW – UNIT 3

62 questions, 95 points... Multiple choice, multiple answer, sorting, matching... The remaining 5 points will come from properly downloading and completing the Quizlet LEARN for each module in the unit.

FOR THE UPCOMING EXAM, KNOW THE FOLLOWING...

- How many chromosomes do we inherit from each parent?
- How are traits created?
- **NEUROTRANSMITTERS** – What do they do, be able to identify all of them and their roles.
- What is the role of the pituitary gland?
- How are identical twins similar?
- How can the effects of genes and environment be studied? (HINT: twins)
- What do studies of twins prove?
- Know about natural selection and traits
- Twins and eggs – what’s the difference between identical and fraternal?
- What is molecular genetics?
- What is gender?
- How do genes direct our physical development?
- What is the human genome?
- What are chromosomes comprised of?
- What is an interaction?
- What does an evolutionary psychologist study?
- What is heritability?
- What does a behavior geneticist study?
- What is myelin sheath?
- What’s the role of the autonomic nervous system?
- What’s the role of the sympathetic nervous system?
- What’s the role of the parasympathetic nervous system?
- What’s the role of the somatic nervous system?
- Know about stimulus and neuron firing strength
- Know about resting axons and ions (inside and outside)
- Know the firing sequence (in order) in the transmission of a simple reflex
- What would a biological psychologist study?
- Know about action potentials – when would a neuron generate more of them?
- Be able to correctly sequence the transmission of a neural impulse (looking at a diagram, left to right)
- What is a hormone?
- What are neural networks?
- What are reflexes?
- Where is the neurotransmitter acetylcholine found?
- What is the role of an agonist?
- What is a PET Scan?
- What’s the role of the limbic system?

AP Psychology

Mr. Bratt

- **Know about Broca's and Wernicke's area – what do they control?**
- **What does the left hemisphere control?**
- **What does the right hemisphere control?**
- **What is the reticular formation?**
- **What is an association area?**
- **What's the role of the visual cortex?**
- **What does an MRI do?**
- **What does the cerebellum control?**
- **What is the corpus callosum?**
- **Know (visually) the lobes of the cerebral cortex – where they are – be able to identify from a graphic**
- **What does each lobe control?**
- **What does the hypothalamus control?**
- **From the video we saw, be able to identify left-brain/right brain activity (i.e. flashing pictures, writing)**
- **Brain organization and handedness**
- **Know some of the things we inherit from our parents (i.e. eye color)**

PLUS...

- **1 random question from Unit 1**
- **1 random question from Unit 2**
- **2 released College Board multiple choice questions**