**Spring Final 2017**

 What is the function of the nervous system?

What is a neurotransmitter? Function of a neurotransmitter.

 What begins when a neuron is stimulated by another neuron or by the environment?

 What must happen for a neuron to reach its action potential?

 Identify a neuron and structures, function of the structures.

 When an impulse reaches the end of a neuron, it triggers the release of

 What is the function of the central nervous system?

 Which of the following is a function of the cerebrum?

 The region of the brain that recognizes hunger?

 The ability to move your right hand is controlled by what part of your brain?

 What controls your ability to think about a question and answer it correctly?

 What system does alcohol immediately affect? Effects on this system.

 Testosterone is needed for the development of what?

 What is a gamete?

 Function of the female reproductive system.

 Function of the male reproductive system.

 Where does fertilization usually occur?

 What is a mutation?

 Single gene traits, dominant vs recessive.

 List some examples of single gene traits.

 What did Charles Darwin called the ability of an organism to survive and reproduce in its specific environment?

 According to Darwin’s theory of natural selection, the individuals that tend to survive are those that have what?

 Which of the following phrases best describes the results of natural selection?

What is an adaptation? In terms of evolution.

 Evidence of evolution.

 Who is Charles Darwin? What does his theory of evolution suggest? What is his theory based on?

Translation, transcription, replication.

Base pairing rules.

How many bases are needed to specify for one amino acids?

 Why is it possible for an amino acid to be specified by more than one kind of codon?

What contains the instructions to make a protein?

 Examples of genetic engineering.

 What is the ultimate source of genetic variability?

 Function of gel electrophoresis.

 When is the onset of puberty, function of ovaries and testis once puberty starts.

 Rough length of a menstrual cycle.

 Principle of dominance, incomplete dominance, codominance.

 What components make up a DNA nucleotide?

 Where are you likely to find a photoautotroph?

 What is the basic structure of a virus? Treatment of a virus.