

### **Examples of the Written Portion of 2012 Los Angeles Brain Bee**

1. What are electrically charged atoms or molecules called?
2. What do you call the chemical messengers released at the end of nerve terminals?
3. What is another name for adrenaline?
4. Follicle-stimulating hormone is released by which gland?
5. What is the name of the fluid that is found in the ventricles of the brain?
6. Cocaine primarily blocks the transporter for what chemical in the brain?
7. What endocrine organ secretes both norepinephrine and epinephrine?
8. What do you call memory that lasts a lifetime?
9. What do you call a drug or other molecule that blocks receptor activity?
10. Name the large structure that is connected to the back of the pons and helps control movement?

### **Examples of the Jeopardy Portion of 2012 Los Angeles Brain Bee**

1. A long-lasting increase in strength of a synaptic response following stimulation is called what?
2. What is sleep apnea?
3. What is allodynia?
4. What type of animal did Eric Kandel use to study memory?
5. Most neurons in the locus coeruleus contain what neurotransmitter?
6. What small bone is attached directly to the tympanic membrane?
7. Sertraline is a type of what class of drug?
8. What do you call a muscle that opposes the action of another muscle?
9. What kind of molecules are cadherin, netrin, semaphorin, ephrin, neuropilin and plexin?
10. Name the intermediate relay point of the visual pathway between the retina and the cerebrum.