Biological Psych Practice Test 1	7. Mendel found that: a. heredity can be studied experimentallyb. traits are inherited in certain ratiosc. genes are dominant or recessived. factors are inherited intact	
Name ID Number		
		e. all of the above
		1. Which method is used to trace neural connections
	and tissue samples:	because it is intelligent:
a. correlational	a. Helmholtz	
b. longitudinal	b. Mendel	
c. histological	c. Flourens	
d. behavioral	d. Broca	
e. somatic	e. Galen	
2. Who believed thinking was in the heart	9. Phase 2 of drug metabolism is the forming of:	
a. Helmholtz	a. bimodal sensitivities	
b. Mendel	b. oxidation reactions	
c. Flourens	c. conjugations	
d. Broca	d. distributions	
e. Galen	e. reiterations	
3. Psychobiologists are the brain people of:	10. Which is caused by a dominant trait:	
a. neuroscience	a. Huntington's disease	
b. psychology	b. Tay-Sachs disease	
c. sociology	c. Sickle cell anemia	
d. chemistry	d. Cystic Fibrosis	
e. physics	e. all of the above	
4. The research goal of finding simple explanations	11. To study people with same genetics and the	
emphasizes:	same environment, you'd study:	
a. generalization	a. adopted neighbors	
b. augmentation	b. fraternal twins	
c. summation	c. identical twins	
d. reduction	d. siblings	
e. insight	e. strangers	
5. Which approach changes behavior and then	12. The dominant gene for acetylators (drug	
observes the brain	metabolism) produces:	
a. correlational	a. moderate acetylators	
b. longitudinal	b. fast acetylators	
c. histological	c. slow acetylators	
d. behavioral	d. non-acetylators	
e. somatic	e. para-acetylators	
6. Which method studies the same processes in	13. Mendel found that each offspring receives	
different species:	of its hereditary factors from one parent:	
a. comparative-evolutionary	a. 25%	
b. cross-sectional	b. 50%	
c. developmental	c. 60%	
d. longitudinal	d. 75%	
e. behavioral	e. 100%	

- 14. Which is a type of dendritic spine:
 - a. mushroom
 - b. squash
 - c. onion
 - d. apple
 - e. all of the above
- 15. Which are the smallest glial cells:
 - a. Schwann cells
 - b. astrocytes
 - c. microglia
 - d. dendrites
 - e. dexters
- 16. Which give physical support to PNS neurons
 - a. Schwann cells
 - b. satellite cells
 - c. pillar cells
 - d. scaffolding
 - e. all of the above
- 17. A dendrite is:
 - a. thicker than an axon
 - b. shorter than an axon
 - c. attached to the soma
 - d. rougher than an axon
 - e. all of the above
- 18. Neurons generally can't be replaced when they die, except in the:
 - a. hippocampus
 - b. spinal cord
 - c. amygdala
 - d. pituitary
 - e. pons
- 19. During development, you create
 - a. as many as 5,000 neurons each second
 - b. twice as many neurons as necessary
 - c. only sensory neurons until birth
 - d. myelinated neurons first
 - e. all of the above
- 20. Which vary in length (.1 mm to 1 meter)
 - a. oligodendrocytes
 - b. Schwann cells
 - c. dendrites
 - d. glial cells
 - e. axons

- 21. Endoplasmic reticulum is a:
 - a. central processor of emotion
 - b. neuronal membrane
 - c. mythical creature
 - d. system of tubes
 - e. interneuron
- 22. A neuron cannot fire at all during the:
 - a. cable connection isolation
 - b. relative notational velocity
 - c. absolute refractory period
 - d. relative refractory period
 - e. general excitatory period
- 23. How fast is a resting potential:
 - a. 20 mph
 - b. 40 mph
 - c. 100 mph
 - d. 200 mph
 - e. trick question; it doesn't move
- 24. An ion can be:
 - a. positively charged
 - b. neutrally charged
 - c. semi-permeable
 - d. voltage-gated
 - e. all of the above
- 25. The voltage of a neuron is a comparison of the difference between:
 - a. confidence and competence
 - b. performance and potential
 - c. inside and outside the cell
 - d. focus and flow
 - e. ions and electrons
- 26. Myelinated axons have:
 - a. saltatory conduction
 - b. wireless conduction
 - c. phone conduction
 - d. cable conduction
 - e. radio conduction
- 27. Which has a localized impact on a neuron's membrane:
 - a. metabotropic effects
 - b. ionotropic effects
 - c. g-protein effects
 - d. lateral inhibition
 - e. Zeigarnik effects

- 28. Re-absorption of a neurotransmitter from a synapse is called:
 - a. scrubbing
 - b. sweeping
 - c. reuptake
 - d. blocking
 - e. recylcing
- 29. Which activates 2nd messenger system:
 - a. metabotropic effects
 - b. ionotropic effects
 - c. g-protein effects
 - d. lateral inhibition
 - e. Zeigarnik effects
- 30. Neurotransmitters are released from:
 - a. terminal buttons
 - b. transporters
 - c. thresholds
 - d. Betz cell
 - e. glial cell
- 31. Neurotransmitters are released when a depolarization opens:
 - a. carbonated channels
 - b. calcium channels
 - c. pepper channels
 - d. glial channels
 - e. iron channels
- 32. Which process cleans neurotransmitter from synapses:
 - a. inactivation
 - b. conjunctions
 - c. agonists
 - d. protagonists
 - e. pragnanz
- 33. GABA
 - a. increases with use of barbiturates
 - b. increases with use of alcohol
 - c. has an inhibitory effect
 - d. regulates muscles tone
 - e. all of the above
- 34. In the brain, which neurotransmitter is used in 90% of the synapses:
 - a. dopamine
 - b. serotonin
 - c. epinephrine
 - d. glutamate
 - e. GABA

- 35. When small amounts of dopamine are released independently of neuronal activity, it's called
 - a. automatic transmission
 - b. manual transmission
 - c. phasic transmission
 - d. lateral transmission
 - e. tonic transmission
- 36. Which helps lower aggression and impulsivity:
 - a. acetylcholine
 - b. epinephrine
 - c. dopamine
 - d. serotonin
 - e. benzene
- 37. Adrenaline is also called:
 - a. noradrenaline
 - b. dopamine
 - c. epinephrine
 - d. serotonin
 - e. benzene
- 38. Epinephrine and norepinephrine are derived from:
 - a. acetylcholine
 - b. dopamine
 - c. serotonin
 - d. benzene
 - e. GABA
- 39. L-Dopa is used to treat Parkinson's disease because it:
 - a. energizes glucose deactivation
 - b. crosses the blood-brain barrier
 - c. acts as a dorsal transporter
 - d. inhibits dopamine release
 - e. all of the above
- 40. Which is mostly stored in the intestines:
 - a. noradrenaline
 - b. acetylcholine
 - c. dopamine
 - d. serotonin
 - e. purines
- 41. All total, how many types of neurotransmitters are there:
 - a. 1
 - b. 5
 - c. 20-50
 - d. 300+
 - e.6000+

- 42. During pregnancy, the placenta is the major source of:
 - a. progesterone
 - b. testosterone
 - c. adrenaline
 - d. ACT
 - e. LH
- 43. Which is suppressed by high levels of estrogen:
 - a. testosterone
 - b. adrenaline
 - c. GnRH
 - d. ACT
 - e. SAT
- 44. RU-486 is a progesterone:
 - a. synthesizer
 - b. antagonist
 - c. stimulator
 - d. agonist
 - e. dexter
- 45. Hormones are produced by the hypothalamus and:
 - a. spinal cord
 - b. pituitary
 - c. kidneys
 - d. heart
 - e. all of the above
- 46. Methamphetamine:
 - a. takes 1 hr for plasma concentration to peak
 - b. passes through the placenta
 - c. withdrawal is dangerous
 - d. relapse is not common
 - e. all of the above

- 47. Having withdrawal symptoms when you stop taking a drug is caused by:
 - a. depot binding
 - b. sensitization
 - c. withdrawal
 - d. tolerance
 - e. solubility
- 48. Which is similar in structure to dopamine:
 - a. amphetamines
 - b. acetylcholine
 - c. endorphins
 - d. alcohol
 - e. sugar
- 49. At toxic levels, nicotine causes:
 - a. thickening of blood-brain barrier
 - b. respiratory paralysis
 - c. particle diffusion
 - d. hypoglycemia
 - e. all of the above
- 50. Which is a stimulant:
 - a. amphetamine
 - b. xanthine
 - c. nicotine
 - d. cocaine
 - e. all of the above