Biological Psych Practice Test 1 KEY	7. Mendel found that: a. heredity can be studied experimentally					
Name	b. traits are inherited in certain ratios					
TD V. 1	c. genes are dominant or recessive					
ID Number	d. factors are inherited intact					
	e. all of the above					
1. Which method is used to trace neural connections	8. Who believed that the heart expands & contracts					
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: 21. Endoplasmic reticulum is a: a. mushroom a. central processor of emotion b. squash b. neuronal membrane c. onion c. mythical creature d. apple d. system of tubes e. all of the above e. interneuron 15. Which are the smallest glial cells: 22. A neuron cannot fire at all during the: a. cable connection isolation a. Schwann cells b. relative notational velocity b. astrocytes c. microglia c. absolute refractory period d. dendrites d. relative refractory period e. general excitatory period e. dexters 16. Which give physical support to PNS neurons 23. How fast is a resting potential: a. Schwann cells a. 20 mph b. satellite cells b. 40 mph c. pillar cells c. 100 mph d. scaffolding d. 200 mph e. all of the above e. trick question; it doesn't move 17. A dendrite is: 24. An ion can be: a. thicker than an axon a. positively charged b. shorter than an axon b. neutrally charged c. semi-permeable c. attached to the soma d. voltage-gated d. rougher than an axon e. all of the above e. all of the above 18. Neurons generally can't be replaced when they 25. The voltage of a neuron is a comparison of the die, except in the: difference between: a. hippocampus a. confidence and competence b. spinal cord b. performance and potential c. amygdala c. inside and outside the cell d. focus and flow d. pituitary e. pons e. ions and electrons 19. During development, you create 26. Myelinated axons have: a. as many as 5,000 neurons each second a. saltatory conduction b. twice as many neurons as necessary b. wireless conduction c. only sensory neurons until birth c. phone conduction d. myelinated neurons first d. cable conduction e. all of the above e. radio conduction 27. Which has a localized impact on a neuron's 20. Which vary in length (.1 mm to 1 meter) a. oligodendrocytes membrane: b. Schwann cells a. metabotropic effects b. ionotropic effects c. dendrites c. g-protein effects d. glial cells e. axons d. lateral inhibition e. Zeigarnik effects

28. Re-absorption of a neurotransmitter from a	35. When small amounts of dopamine are released					
synapse is called:	independently of neuronal activity, it's called					
a. scrubbing	a. automatic transmission					
b. sweeping	b. manual transmission					
c. reuptake	c. phasic transmission					
d. blocking	d. lateral transmission					
e. recylcing	e. tonic transmission					
29. Which activates 2 nd messenger system:	36. Which helps lower aggression and impulsivity:					
a. metabotropic effects	a. acetylcholine					
b. ionotropic effects	b. epinephrine					
c. g-protein effects	c. dopamine					
d. lateral inhibition	d. serotonin					
e. Zeigarnik effects	e. benzene					
30. Neurotransmitters are released from:	37. Adrenaline is also called:					
a. terminal buttons	a. noradrenaline					
b. transporters	b. dopamine					
c. thresholds	c. epinephrine					
d. Betz cell	d. serotonin					
e. glial cell	e. benzene					
31. Neurotransmitters are released when a	38. Epinephrine and norepinephrine are derived					
depolarization opens:	from:					
a. carbonated channels	a. acetylcholine					
b. calcium channels	b. dopamine					
c. pepper channels	c. serotonin					
d. glial channels	d. benzene					
e. iron channels	e. GABA					
32. Which process cleans neurotransmitter from	39. L-Dopa is used to treat Parkinson's disease					
synapses:	because it:					
a. inactivation	a. energizes glucose deactivation					
b. conjunctions	b. crosses the blood-brain barrier					
c. agonists	c. acts as a dorsal transporter					
d. protagonists	d. inhibits dopamine release					
e. pragnanz	e. all of the above					
33. GABA	40. Which is mostly stored in the intestines:					
a. increases with use of barbiturates	a. noradrenaline					
b. increases with use of alcohol	b. acetylcholine					
c. has an inhibitory effect	c. dopamine					
d. regulates muscles tone	d. serotonin					
e. all of the above	e. purines					
34. In the brain, which neurotransmitter is used in	41. All total, how many types of neurotransmitters					
90% of the synapses:	are there:					
a. dopamine	a. 1					
b. serotonin	b. 5					
c. epinephrine	c. 20-50					
d. glutamate	<u>d. 300+</u>					
e. GABA	e. 6000+					

42.	During pre	gnancy,	the 1	placenta	is 1	the	majo	r
sou	irce 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