

CNS-Biochem

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Lecture 3

Neurotransmitters 1

Corrected By :

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1 How does the neurotransmitter produce a signal in the postsynaptic cell?

a. Binding to postsynaptic receptor .

2) All of the following are true about Serotonin except?

A Like acetylcholine

B Stimulates GABA .

C When it accumulates in thalamus it stimulates sleep

D When it accumulates in cortex it stimulates arousal

Ans: B

3 The junction between two communicating neurons is

a.Synapse .

b. Neuromuscular junction

c. Dendrite

d. Axon

e. Receptor

Ans: a

4 Neurotransmitters may be excitatory or inhibitory. The main excitatory neurotransmitter of the central nervous system is?

a.Glutamate .

b. GABA

c. Glycine

d. Acetylcholine

e. Serotonin

Ans: a

5 Which of the following matched pairs are NOT TRUE?

a. Mania and depression- Imbalance Ach

b, Papez circuit- Establishing the emotional significance of memory for the purpose of life

c. Damage Papez circuit- Alzheimer's disease

d. Fornix- Major output tract of the hippocampus in Papez circuit

e. Schizophrenia- Caused by decreased dopamine .

Ans: e

6 Which of the following is correct about Metabotropic Receptors?

Answer :Comprise a single protein subunit, winding cell membrane seven times
(transmembrane domains)

7 Neurotransmitter in alzahimer ?

- A)ach .
- B)glutamate
- C)dopamine
- D)serotonin

Ans: A

