

Name _____ Date _____

Drugs and how they affect the nervous system.
Forensic Science - TEST

1. a. Draw an axon at resting potential and label the ions involved in maintaining this potential. (e.g., include basic quantification of ions and arrows that signify the direction of ions).

- b. Explain the main types of pores (e.g., channels or pumps) that are involved in maintaining this resting potential.

- 1.

- 2.

2. Diagram the channels/pumps involved with each of the 5 stages of an action potential and label any ions and the direction they flow in.

1.

2.

3.

4.

5.

3. Draw one line that follows an action potential from resting potential back to action potential again. Label each section that represents each step.

4. Draw two sections of neurons that represent the synapsis. Label each step that is diagrammed (there should be six steps altogether).

5. Explain the ways in which a drug affect the molecules of a neuron (stimulant, depressant, hallucinogen).

6. Explain each of the following terms:

a. narcotic:

b. analgesic:

c. antagonist:

d. agonist:

e. drug: