

## Handout 3-H

### Identifying Neurotransmitters

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Each of the following patients has an illness or is taking a drug that affects neurotransmitter activity. Given the very limited information provided, make an educated guess as to which neurotransmitter has been disrupted.

1. Felix has Alzheimer's disease.
2. Mario has no appetite, no energy, and in general is quite depressed.
3. Fred has Parkinson's disease.
4. Eloise was stricken by botulism.
5. Lee has been diagnosed as schizophrenic.
6. Georgio is taking Prozac.
7. Michelle is using cocaine and marijuana.

Source: Malley-Morrison & Yap, 2001.

### Handout 3-1

#### Identifying Sympathetic and Parasympathetic Nervous Systems

For each of the following activities, indicate whether the sympathetic or parasympathetic nervous system is involved.

1. You get a sinking feeling in the pit of your stomach when you realize you are lost in a run-down section of a large, unfamiliar city late at night.
2. You are so exhilarated before a soccer match, you know you are ready to devastate your opponents.
3. When the performance for which you have been preparing so hard for is finally over, you find yourself overcome with drowsiness.
4. During an exam, you are so concerned that somebody will think you are cheating that you keep your eyes fixed on your own paper and struggle to hold onto your pen with sweaty hands.
5. You are shivering in a cold wind.
6. The sound of soothing music helps calm you after a very frustrating test.
7. After dealing with a difficult supervisor all day, you come to psychology class and fall asleep.
8. You have just completed your first downhill skiing event. You are totally exhilarated, and to your own amazement, you cannot wait to try the whole thing again.

Source: Malley-Morrison & Yap, 2001