

Biology 3201

Unit 1 – Maintaining Dynamic Equilibrium II

Assignment # 1

Instructions: Complete the assignment as indicated.

Part 1: Information Booklet

You work at Health Canada as a Health Promotions Officer. You have been tasked with informing the general public about problems associated with various chemicals and their effects on the Nervous system.

Your Task

Create an information booklet outlining the dangers/effects the following chemicals have on either the synapse and/or synaptic transmission of a neuron. In your brochure, be sure and include specifics about what each chemical does to affect the nervous system.

- i) curare
- ii) caffeine
- iii) heroin
- iv) codeine
- v) nerve gas
- vi) botulism

Brochure Details

1. 4 pages maximum. 2 pages for material 1 cover page and 1 bibliography page.. The cover page should include appropriate titles and/or graphics. Remember, you work for Health Canada!
2. Each page of material within your booklet should contain information about three (3) of the chemicals from the list above. Use appropriate sized titles and font to bring attention to each chemical.
3. Your booklet should be written using size 12 pt Arial font and be created within Microsoft Word. Use colours etc to spice up the booklet and make it appealing to the general public.

Submission Details

Save your file with the name “b3u1a1_yourname_slot#” and submit it by the due date.

Part 2 **Newspaper Article**

You are working for your local newspaper. You have been given the task of informing the public about the effects Drugs have on the Nervous System.

Task

Prepare a newspaper article that describes the differences between a nervous system stimulant and depressant. Additionally, distinguish between the different types of anaesthetics and their effect on the brain. Give examples to validate your explanation.

Article Details

- a. 1page in length. Size 12 Arial font. Appropriate titles (13 size font, bolded). Your article must have a ‘catchy’ title that draws attention to the information contained within.
- b. Describe the effect of at least one of each of the types of drugs mentioned above on the nervous system.
- c. You can use your book to help you → page 408.

Submission Details

Include this document as part of your assignment. You can give this part a separate name if you wish. You can name it as “B3U1A1a_yourname_slot#”.