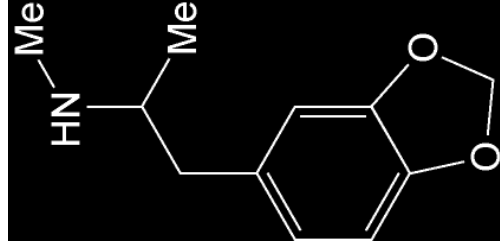


B6: Brain and Mind Level assessed task

MDMA



MDMA was first made in 1914 by a German drug company. Scientists thought this drug could be used as a slimming aid, by making people feel less hungry. In the 1980s it was used by doctors to change the mood of their patients. MDMA works by increasing the concentration of a chemical called serotonin in the brain. This chemical allows impulses to travel across some of the synapses in the brain.

MDMA is the active drug in illegal tablets called Ecstasy.

Your task:

Produce a poster, or leaflet, explaining in detail how MDMA affects a synapse and the control of impulses in the brain. You should demonstrate a clear understanding of:

- How a normal synapse transmission occurs and how MDMA affects this.
- The effects on the body of use of ecstasy.

Key words

Synapse, serotonin, chemical transmitter, receptor, secretory vesicle, Re-absorption.

Level ladder:

| grade | To achieve you need to... |
|-------|--|
| E | Design a simple information leaflet for MDMA State simply how the synapse is usually controlled. State simply what MDMA does to the synapse. List the effects of Ecstasy. Use simple key words correctly. Write your ideas in simple sentences. Use and list one source of information. |
| C | Design a clear and scientific information leaflet for MDMA Describe how the synapse is usually controlled. Use a diagram to show how the synapse is usually controlled List the effects of Ecstasy, and describe how it effects the persons mood Use most key words correctly. Write your ideas in all your own words, using proper sentences. Use and list at least two sources of information. |
| A | Design a clear and scientific a simple information leaflet for MDMA Describe how the synapse is usually controlled. Use a diagram to show how the synapse is usually controlled List the effects of Ecstasy, and describe how it affects the person's mood. Link to ideas about the effect of ecstasy on homeostasis (from B4) Use all the key words correctly and fluently. Write your ideas in all your own words, using proper sentences and paragraphs. Use and list at least two sources of information. |