

(b) Write a balanced equation, with state symbols for the reaction of this antacid with stomach acid. [3]

.....

(c) What is the purpose of the two additives? [2]

Dimethicone: .....

.....

The alginate: .....

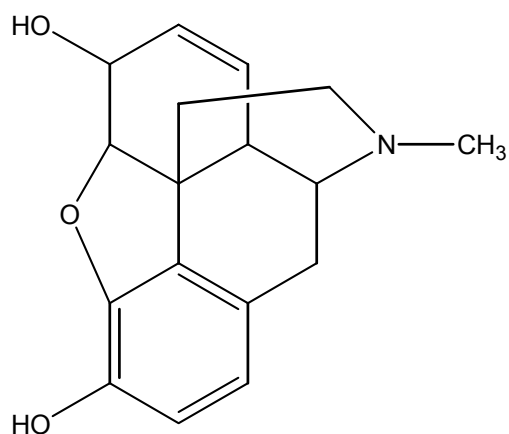
.....

Q3 (a) What is an analgesic? [1]

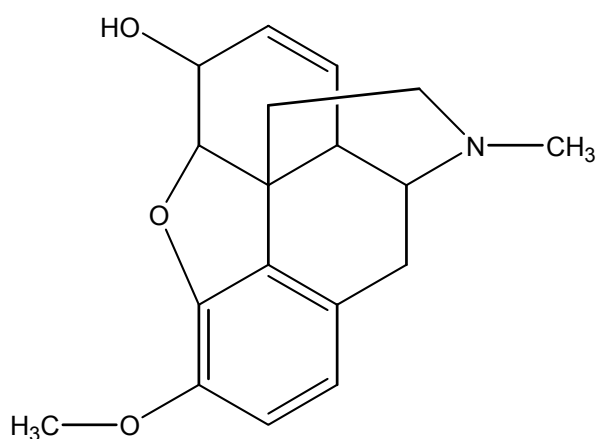
.....

The two molecules below, A and B, are analgesics regularly used in medicine.

A:



B:



(b) To which class of analgesics do these molecules belong? [1]

.....

(c) Briefly explain how these molecules may work, once in the body. [2]

.....

.....

.....

(d) Molecule B differs from A in only one respect. Ring the group which is different on the diagram of B and name it below. [2]

.....