

9 A doctor's surgery has an expert system that helps diagnose the illnesses of its patients.

(a) Complete the paragraph about the operation of the expert system.

Use the terms from the list.

Some of the terms in the list will **not** be used. Some terms may be used more than once.

artificial binary central processing unit (CPU) data

inference engine interface knowledge base primary storage

process real read only memory (ROM) rule base

An expert system is a type of intelligence. The doctor will type data about the symptoms of the illness into the

The will decide which questions to ask the doctor.

It will do this by linking the facts in the to the

The will decide on a diagnosis and this will be output on the

[7]

(b) The expert system has the ability to automatically adapt its own processes and data.

Give the name of this ability.

..... [1]