## More About Drugs - Antiseptics and Antibiotics.

When plants are attacked by pathogens they can sometimes produce chemicals to defend themselves. Some of these chemicals have antibacterial effects that protect the plant against bacteria.

Humans have been using these plant chemicals for centuries.

## For example:

- The leaves of the tea tree shrub produce an oil that kills bacteria.
- Today the oil is purified and used in all sorts of antibacterial products, e.g. facial cleansers and aftershaves.

Antibacterial products are called antiseptics or antibiotics.



Antiseptics are chemicals substances that kill bacteria or stop them growing and are used outside the body. They are used to prevent infection rather than treat it.

Antiseptics are used to clean wounds and surface areas where there are lots of pathogens, such as round the toilet or kitchen work tops where food is being prepared. Many household products contain antiseptics, e.g. bathroom cleaners.

Antiseptics are also used in hospitals and surgeries to try and prevent the spread of infections like MRSA.

## Antibiotics.

Antibiotics are drugs used inside the body and they are used to treat patients who are already infected with bacteria or fungi. However, antibiotics don't destroy viruses, e.g. flu and cold from Notesale.co.uk viruses.

There are two types of antibiotics:

Antibacterials 1.

Antibacterial infortuces, for example penicillin, are used to treat bacterial infections. They work is hitting bacteria or soppose them growing.

However, some bacteria can evolve resistance to certain antibacterial antibiotics, meaning the antibiotics don't work any more.

## Antifungals 2.

Antifungal antibiotics, for example nystatin, are used to treat fungal infections.

They work by killing the fungi or stopping them from growing.