

# CAIE Biology IGCSE

## 15 - Drugs

### Flashcards

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# What is a drug?



# What is a drug?

A substance that alters the metabolism of the body (the chemical reactions that occur in the body)



What type of drugs are given for bacterial infections?



# What type of drugs are given for bacterial infections?

## Antibiotics



Why are some antibiotics less effective  
or no longer effective?



Why are some antibiotics less effective or no longer effective?

Bacteria can develop resistance to certain antibiotics



# What is antibiotic resistance?





# What is antibiotic resistance?

When bacteria are no longer affected by a certain type of antibiotic



# What is a 'superbug'?

## (Higher/Supplement)



What is a 'superbug'? (Higher/Supplement)

Bacteria which have become resistant to the majority of the different antibiotics available today



Give one example of a superbug  
(Higher/Supplement)



Give one example of a superbug  
(Higher/Supplement)

Methicillin-resistant *Staphylococcus aureus* (**MRSA**)



Give two ways that the development of antibiotic resistant bacteria be limited?  
(Higher/Supplement)



Give two ways that the development of antibiotic resistant bacteria be limited? (Higher/Supplement)

- Limiting the use of antibiotics for minor ailments like sore throats
- Ensuring that patients complete the full course of antibiotics



# Why are antibiotics ineffective against viral diseases like HIV?





# Why are antibiotics ineffective against viral diseases like HIV?

## Antibiotics kill bacteria not viruses



# Why do antibiotics not work on viruses?



# Why do antibiotics not work on viruses?

Antibiotics target mechanisms and features that are specific to bacteria (e.g. the formation of a cell wall) which do not exist in viruses

