

Combined Science - Biology - Key Stage 4

# Testing Drugs - Part 1

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# Independent Practice

1. Which drug is derived from willow? (1).
2. Who discovered penicillin? (1)
3. Digitalis treats which condition? (1)
4. Which plant is digitalis derived from? (1)



# Match each stage with their correct purpose:

Stages	The purpose
1. Computer simulation	Can see what optimum dose is and if drug is effective for a wide range of different people, e.g. old and young, obese etc.
2. Testing on cell cultures and tissues	How drug affects cells or tissues to rule out being toxic
3. Animal testing	Can predict how the drug will react with the target
4. Trials on healthy people	Can see if the drug treats the condition in people with the disease and is safe to use on these people.
5. Small trial on patients	Whether the drug causes dangerous side-effects in low doses
6. Large scale clinical trial on patients	What side effects may be caused in a whole organism and what doses might be effective



# Independent Practice

- 1, What is the name for a fake/ dummy treatment? (1)
2. Why is it important that the fake treatment looks exactly the same as the real treatment? (1)

