

# THE JOURNEY OF MEDICINE CHALLENGE

## From Molecule to Medicine



Cut out the 10 stages of making a medicine and stick them into the correct order on the flow chart.

### Flow Chart

Step 1	
Step 2	
Step 3	
Step 4	
Step 5	
Step 6	
Step 7	
Step 8	
Step 9	
Step 10	

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## From Molecule to Medicine



### 10 stages of making medicine



**Test:** The tablets are tested to make sure they are safe for people to take.



**Make:** The mixture is put through the processing machinery and pressed into a tablet.



**Recipe:** The scientists have decided to turn it into a tablet. Now they need to work out how to create the formulation. This is like creating a recipe.



**Discover:** A new molecule that can treat a disease or symptom is identified. This is called the active ingredient.



**Package:** The tablets are put into packaging that keeps them safe



**Research:** Scientists study what causes a disease or symptom. They run experiments to find a treatment.



**Mix:** The active ingredient in medicine is too small to be used on its own so it is mixed with other ingredients like sugars.



**Test:** Scientists work out whether the molecule can be turned into a tablet, an injection, an inhaler or a cream.



**Transport:** The tablets are transported to hospitals and pharmacies.



**Take:** The tablets are given to patients by doctors and nurses. People may also buy the tablets from pharmacies. The medicine is taken.