

TALKING about DRUG MAKING  
on FM: *How pills are made*

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# GOALS

- SPEAKING to each other, to a group
- UNDERSTANDING each other, a video
- DESCRIBING a process (How? What for?)
- CHECKING OUT tools that will help you prepare for your talks

# Do you know these plants?



# VOCABULARY

- [QUIZLET.LIVE](https://www.quizlet.com)

How many plant names do you know?

Have you got a lot of vocabulary to talk about plants?

# PRONUNCIATION BATTLE

- Howjsay.com
- <https://www.acapela-group.com/fr/>
- Online dictionaries

# PRONUNCIATION BATTLE

- DANDELION
- CHAMOMILE (or CAMOMILE)
- RHIZOME
- PUNGENT
- HERBAL
- SPINACH

# PRONUNCIATION BATTLE

- MOIST
- SAGE
- LAVENDER
- WOUND (as in skin wound)
- ECHINACEA
- AROMATIC

# PRONUNCIATION BATTLE

- FRAGRANT
- THYME
- ANTISEPTIC
- FERN
- CULINARY
- ANTIBIOTIC



# Making Pills

[English for Pharmacy M2 S1 Analytical Chemistry for Natural Products and Drugs](#)

**1) What do you expect to see in the video? Watch it once to check your predictions.**

a press

plastic tubes

a tray

grooves

discs

pills , tablets

gelatin casing

nozzles

bottles

stampers

a shoot

a coating unit

capsules

dryer

an interface

a counter

aluminum foil sheet

a drum

a die

# Procedure

**2) What different stages are there? They are mentioned below; put them back in their chronological order (as mentioned in video).**

Quality testing \_\_\_

Bottle filling \_\_\_

Drying \_\_\_

Grinding process \_\_\_

Coating \_\_\_

Moulding \_\_\_

# Now match each stage/item with its purpose/timing or main apparatus:

- Quality testing** to prevent pills from crumbling
- Interface** to mix the active ingredient with a binding agent
- Moulding** after grinding and before transforming the mix into a tablet
- Drying** to program the  $t^{\circ}$  of the dryer and the air flow
- Bottle filling** it is done by a press
- Grinding process** it is facilitated by grooves
- Coating** the pills' hardness is checked

# More details

- What is the solution made of?
- Are the pills sprayed *in motion/on a tray*?
- Is the solution sprayed *as a mist/as a solid stream*?
- Why?

**Now, using the words below, complete the gaps in this summary of the end of the video. You may need to modify them to form correct sentences.**

emboss  
join

fill  
count

sheet  
seal

weight

last  
casing

encapsulate  
capsule

The spraying operation \_\_\_\_ 40 minutes. Before filling bottles, the pills are \_\_\_\_ ; there will be 500 in each. This plant also makes \_\_\_\_ where the API is \_\_\_\_ in a gelatin \_\_\_\_ . When well \_\_\_\_ the 2 halves of the capsule are \_\_\_\_ together. After ejection, the capsules are positioned for the packaging process. Then the \_\_\_\_ of each is verified before packaging. A sheet of PVC is heat \_\_\_\_ forming an impression to receive capsules. Then a pre-glued aluminum foil \_\_\_\_ is adhered to the back side, \_\_\_\_ everything.

# TOOLBOX

ITEM or DEVICE	WHY?	HOW?
Is equipped with Is fitted with Is provided with features	Intended to (+ infinitive) Designed to (+ infinitive) So as (not) to (+infinitive) Aimed at –ing For the purpose of –ing	Facilitate/enhance/improve Increase/decrease/eliminate Prevent/impede/stop Provide Modify/change/alter Safeguard/protect Safeguard/protect against ensure

ALLOW	PERMIT	ENABLE
Never followed directly by an infinitive		

# Language work

## DESCRIBING PHARMACEUTICAL EQUIPMENT

Using the toolbox on the screen, complete the sentences below:

The dryer is \_\_\_\_\_ to remove all moisture from the mix.

It is \_\_\_\_\_ with an interface \_\_\_\_\_ at programming the temperature.

The press \_\_\_\_\_ molds made of stainless steel.

It is also \_\_\_\_\_ with stampers that \_\_\_\_\_ to crush the powder \_\_\_\_\_ make the pills.

An apparatus is \_\_\_\_\_ with jaws that crush the pill \_\_\_\_\_ verify its hardness.

The machine is \_\_\_\_\_ with a coating unit that can hold 350 pounds of pills.

Coating is \_\_\_\_\_ ensuring that pills do not crumble. That coating unit \_\_\_\_\_ plastic tubes \_\_\_\_\_ to spray the solution onto the pills in motion.

It is also \_\_\_\_\_ with a drum that tumbles the pills and also \_\_\_\_\_ nozzles that spray the solution in the form of a mist.

That process \_\_\_\_\_ the pills from sticking to each other.

Grooves \_\_\_\_\_ proper filling.

# Homework

- Language work (vocabulary for describing processes) on FM



10 minutes to elicit as many answers as you can (use a scenario, several questions)

Australia	oil	John F Kennedy	To avoid sticking
It hurts !	generics	deadly	smooth
A stomachache	coating	I would die	OTC drugs
A prescription	A batch	It boils	I feel nervous
A hamburger	gloves	Help !	1945

10 minutes to elicit as many answers as you can (use a scenario, several questions)

A patent	They become drug-resistant	sour	Next year
Last month	It does not hurt	bitter	Life-threatening
Eye drops	A syringe	Dermatologists	Zyka
The FDA	Bless you !	They have no side effects	American
Frankenstein	regulations	safe	irregular