Drug Lab Flashcards!

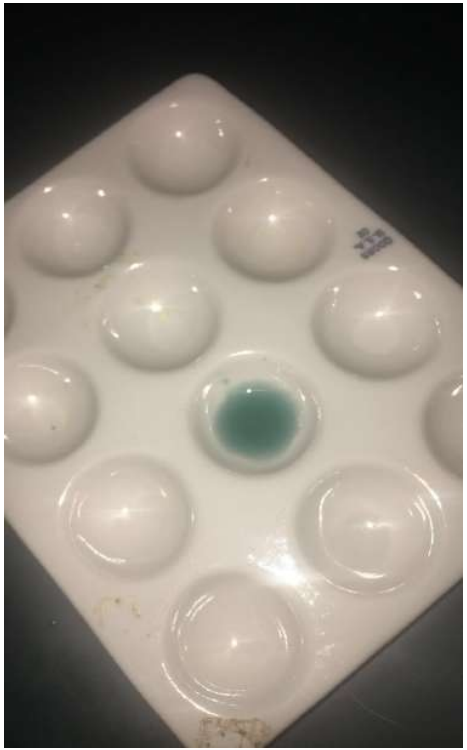
Use these to help you review for the test!

Note: this does not cover everything on the test. Refer to the test review sheet on MOODLE

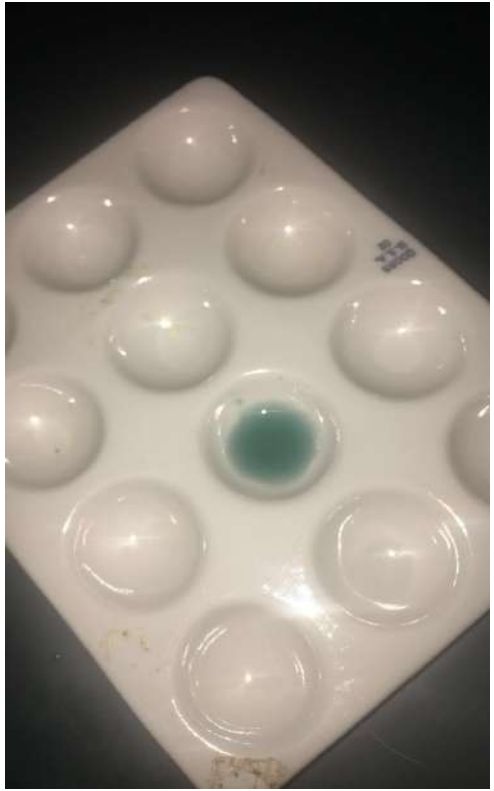
What heavy metal is this?

It is Lead. When mixed with potassium chromate, it turns yellow. This is a screening test for Lead

What drug is this?
What reagent is it
mixed with to give this color?



This is cocaine
When it is mixed with Scott’s reagent it turns blue
This is a screening test



What drug is this?
Notice the bubbles
What chemical is added to Create these bubbles?

It is Marijuana - the bubbles are created when you add HCl (hydrochloric acid)

What drug is this?
How do we get it to fluoresce?

It is LSD

A screening test involves using a UV light

Bag it and Tag it!

When universal indicator is added it turns pinkish red. It has a Ph of 4. What drug is this?

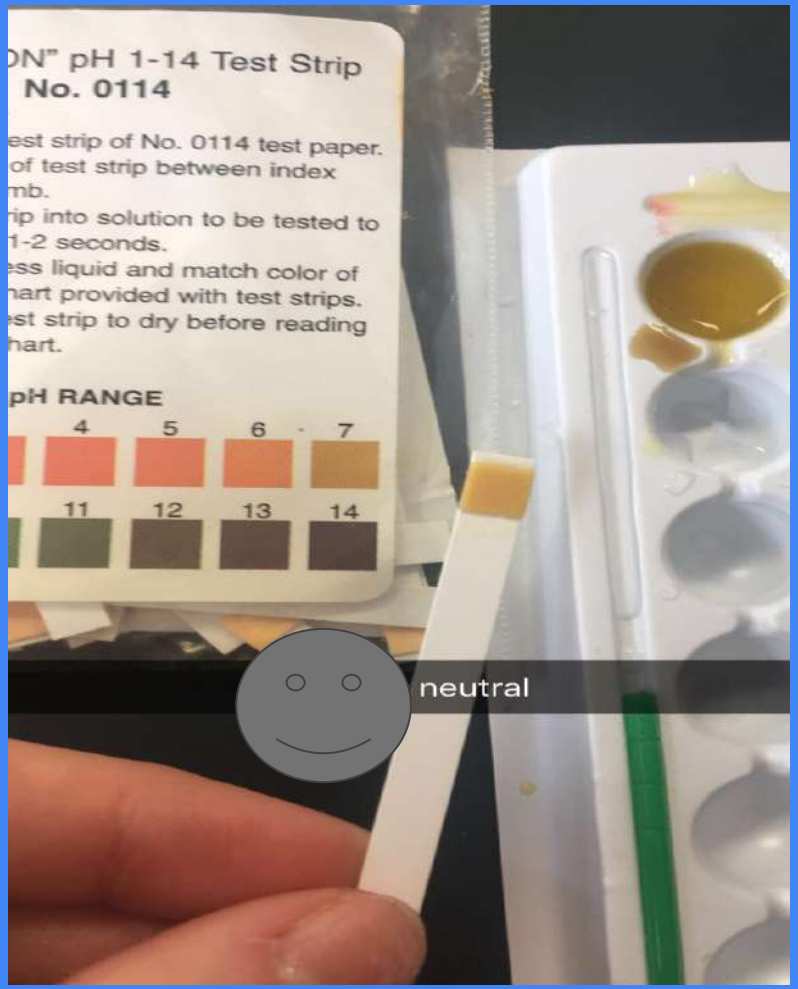
It is Aspirin!
When it dissolves in water it releases two acids.

Which drug releases CO_2 gas when mixed with HCl acid or water?

Alka Seltzer!

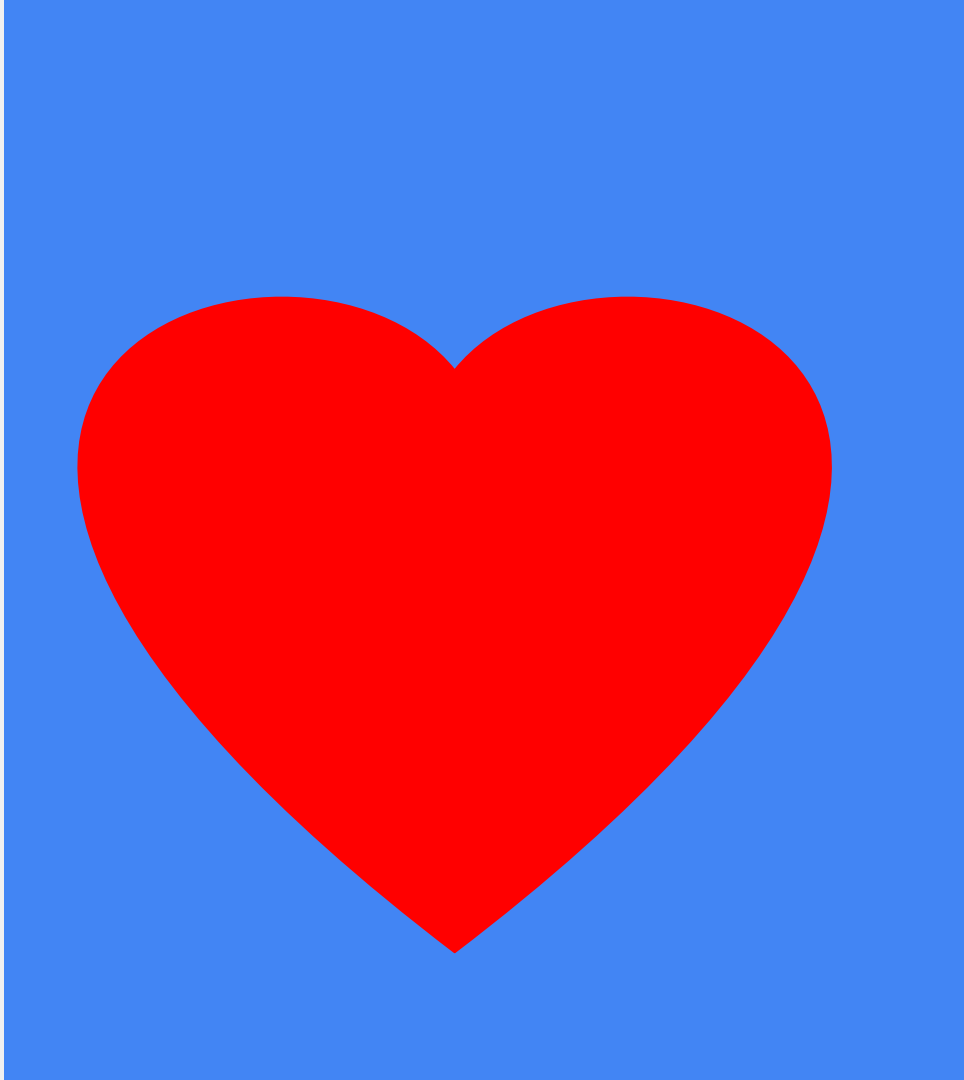
Plop, Plop, Fizz, Fizz oh what a relief it is

Which drug has a pH between 6 and 7?



Tylenol!

It doesn’t release acid when it dissolves so it is easier on a person’s stomach

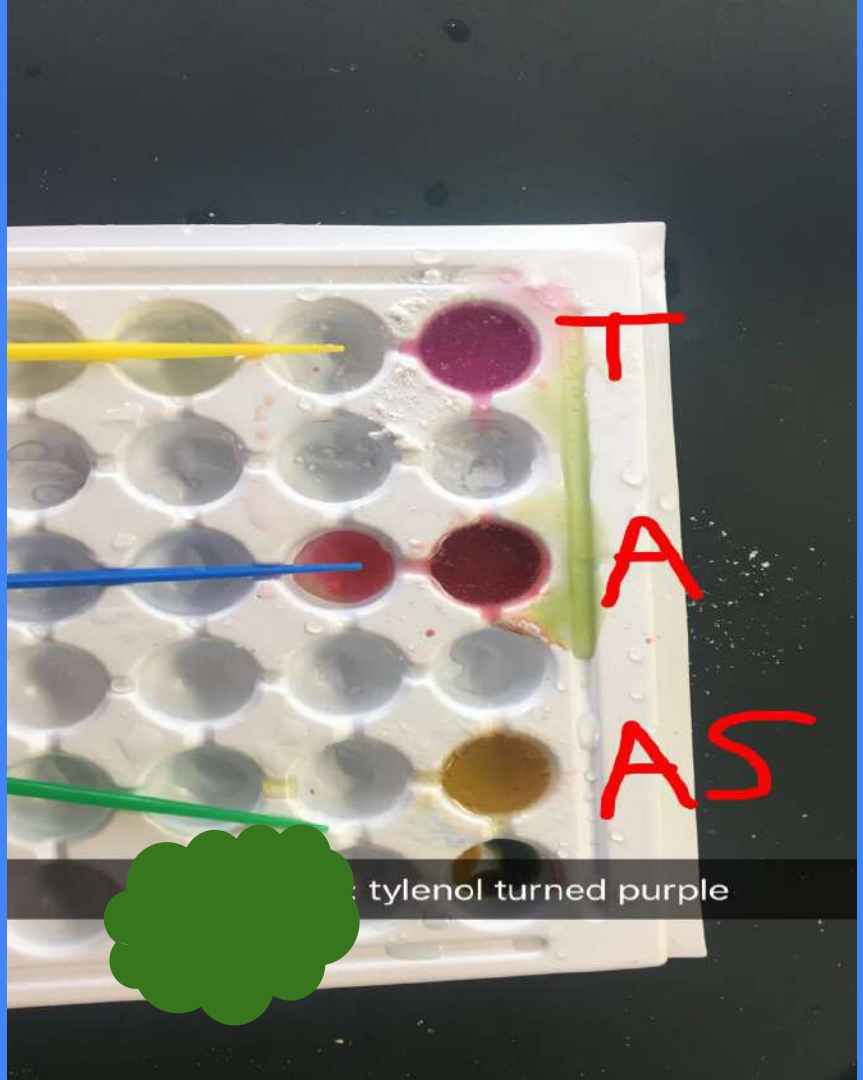


Which reagent was added to these over the counter drugs to create these results?

Light purple

Dark purple

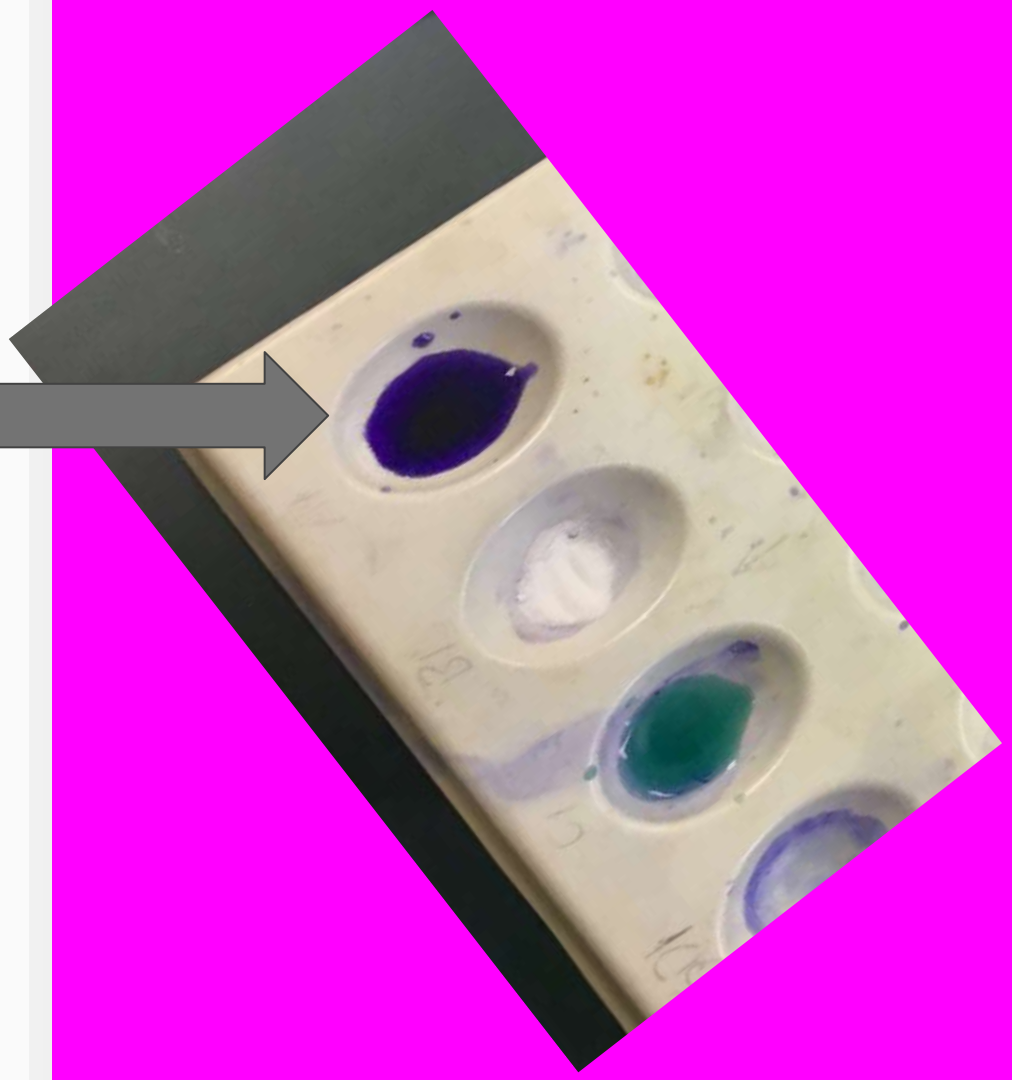
Orange



Ferric Nitrate!

Which Drug is this?

Which reagent makes it turn bluish-purple?



It is LSD. It turns bluish purple when mixed with Van Urk Solution. It is a screening test

Mixed with universal indicator

This has a Ph of 8

What drug is it?

It is Alka Seltzer. It is a base!

Which heavy metal is this?

What reagent is it mixed with?

It is Mercury!
It turns orange when mixed with Potassium Chromate.
This is a screening test

Remember that color tests and pH tests are screening tests. All drugs would need to be analyzed by a chemist/toxicologist in the lab. They would need to run confirmation tests like:

Spectrophotometry
Chromatography
Microcrystalline
Mass Spectrometry
GC/MS (chromatography and mass spec together)

Check out your class packet for more info about these!