1.	Read tl	he instruction	s below and carry o	out the experiment descri	bed:	Egg-citing physics
	I	ngredients:	a raw egg	a hard boiled egg		).
	F	Gently and br	on a flat surface a iefly place your fing vith the other egg.	nd set it spinning. ger on the top centre of th	he egg. Then remove y	your finger.
2.		s happening be what is hap		own on a sheet of paper.		
3.		loes it work? explain this e		down on a sheet of pape	r.	
Help f	or quest	tions #2 and	# <b>3</b> Fill in	the following sentences		Egg-citing physics
		s happening				
				ou take your		
In cont	rast, the		is difficul	t to startb	out will keep spinning	when
	How D	oes it Work	?			Egg-citing physics
A raw	egg is fil	lled with a lic	juid, whereas a har	d boiled egg is		
			ens when you stop from moving.	the eggs: when you gent	tly place your finger	on, you stop
Since t	he hard	boiled egg is	s, all of	the egg stops moving, a	and so the egg	when you
station Simila	ary. The rly, a ha	friction of th rd boiled egg	at liquid on the she g is easier to spin s	ll will start the raw egg _ ince the entire egg starts	again. s spinning at the same	nough the outside shell is e time, whereas in the raw Gradually the liquid inside
			as it is dragged arou		3	. 1

<b>1.</b> Read the instruction	s below and carry out th	ne experiment described:		Alka-Seltzer rocket
Ingredients:	empty film canister	an Alka-Seltzer tablet	water	
Instructions				
Place the Alka				
Add approxim				
Fit the lid tigh	tly on the canister.			
Turn the canis	ter upside-down and plo	ace it on a flat surface. Stand	back!	
2. What's happening	?			
Describe what is hap	opening. Write it down o	on a sheet of paper.		
3. How does it work?  Try to explain this e	xperiment. Write it dow	n on a sheet of paper.		
Help for questions #2 and	#3 Fill in the f	following sentences		Alka-Seltzer rocket
What's happening?	?			
The	jumps into the ai	r as the tablet dissolves in		_·
How does it work?				Alka-Seltzer rocket
		et, bubbles of		-
When the lid is fitted tightly	to the	this gas is contained within	n an enclose	d space.
		nside the canister rises until force to shoot the cani		

Première STL DNL - Physics in english

<b>1.</b> Read the instructions below and carry out the experiment des
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Straw oboe

## Ingredients:

straws (need to be straight – cut off the bendy bits if there are any) scissors

## **Instructions**

Flatten one end of the straw ~2 cm from the end to the tip.

Make two cuts in the now flattened end of the straw, to form a triangular tip.

Insert the triangular tip of the straw into your mouth and blow hard. You should hear a loud 'buzzing' sound.

While you are blowing on the straw oboe, your fellow cuts the straw shorter, ~1 cm at a time.

## 2. What's happening?

Describe what is happening. Write it down on a sheet of paper.

## 3. How does it work?

Try to explain this experiment. Write it down on a sheet of paper.

Help for questions #2 and #3

Fill in the following sentences

Straw oboe

Straw oboe

T . 71			•	
Wh	at's	happ	1enin	Q'
* * * *	uto	HUPL	, С 1 1 1 1 1	•

F	∖s tl	he straw i	s cut	. its	sound	is	chan	gin	g: t]	he '	pitc.	h of	f th	ie so	ound	goes	i ur	).
				 ,				O	o · ·		P							

How	dnes	it w	mrk?
HUW	uucs	IL W	/UI R:

The flattened triangular tip	acts like the reed found in most wind instruments.	Straw oboe
Blowing on the reed causes as sound.	the straw to vibrate. A sound wave is created along	, which we hear
	ne straw you shorten the wavelength of the sound wave and the	erefore increase the pitch of

**1.** Read the instructions below and carry out the experiment described:

<b>1.</b> Read the instructions below and carry out the experiment described:	Heavy newspaper			
Ingredients:				
a table with flat edge a ruler 2 sheets of newspaper				
Instructions				
Lay the ruler over the edge of the table so that $\sim$ 1/3 of its length is over the edg	je.			
Hit the ruler from above. As expected it flips off the table.				
Fold up a sheet of newspaper as small as possible and place it at the back ensor so that it acts as a counterweight. Hit the ruler from above.	end of the ruler			
Lay another sheet of newspaper flat on the table so that the back end of the rule in the center. Hit the ruler.	ler is roughly			
2. What's happening?				
	Heavy newspaper			
<b>3. How does it work?</b> Try to explain this experiment. Write it down on a sheet of paper.				
<b>Help for questions #2 and #3</b> Fill in the following sentences	Heavy newspaper			
What's happening?				
When you place a folded up on the ruler and then hit it, the	ruler			
When				
How does it work?	Heavy newspaper			
Atmospheric is exerting a downward force on the	·			
The surface area of a sheet of newspaper is quite large, therefore the downward force ofon the newspaper isenough to counter the upw .				
It doesn't work with the because the surface area of pressure could act is	over which the atmospheric			