الجمهورية الديمقراطية الجزائرية الشعبية

وزارة التربية الوطنية

مديرية التربية لشرق الجزائر

ثانوية الشهيد حسين بوعلة الرويبة

السنة الدراسية: 2022/2021

المدة: 2سا

المستوى: ثانية ثانوي

الشعبة: علوم تجريبية و رياضيات

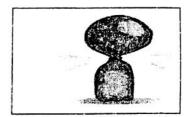
اختبار الفصل الثالث في مادة الانجليزية

Part One: Reading and Interpreting (15pts)

Read the text carefully then do the activities







Using items that are easily found at home, you can blow up a balloon without using your mouth or your own breath! This isn't magic; it's science! If you want to try it, head to the kitchen, grab some baking soda, vinegar, an empty bottle, a balloon, and a small funnel, and use a classic chemical reaction to inflate a balloon. We call this, experiment: the fizz inflator.

To start, carefully pour the vinegar into the bottle. Then, loosen up the balloon by stretching it a few times and use the funnel to fill it a bit more than halfway with baking soda. If you don't have a funnel you can make <u>one</u> using paper and some tape. Now carefully put the neck of the balloon all the way over the neck of the bottle without letting any baking soda into the bottle. Lift the balloon so that the baking soda falls from the balloon into the bottle and mixes with the vinegar. In few seconds, you will notice that it blows up.

The science behind this is really simple. If you mix baking soda and vinegar, they create a chemical reaction and the <u>two</u> produce a gas (CO2). Gasses need a lot of room to spread out and the carbon dioxide starts to fill the bottle and then moves into the balloon to inflate it.

A/ Comprehension: (08pts)

- 1-The text is about....(0.5 PT)
- a) A scientific experimentb) A discoveryc) A magic trick

2- Are the following statements true or false according to the text? (2PTS)

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- a. The fizz inflator experiment can only be conducted in the laboratory....
- b. The balloon should be filled with vinegar.....
- c. When you mix the two chemicals, they produce oxygen...
- d. The balloon takes only a few seconds to inflate.....

3- In which paragraph are each of these given?(1 PT)

- a. The explanation of the results of the experiment....
- b. The steps of the experiment......
- c. The materials needed to conduct the experiment....
- d. The results of the experiment......

4- Answer the following questions according to the text.(3 PTS)

a. What are the materials used in this experiment?

b. Are you obliged to use	your mouth in this exp	periment justify	
C.What causes the balloo	n to inflate?(briefly)		
5-what do the underline	d words refer to in th	e text:(1.5pt)	
a) <u>that</u> (§1)c) B/ <u>Text Exploratio</u>	one(§2) on:(07pts)	b) Two(§3)	
1-Find in the text wor	ds that are opposite	in meaning to the following	. (1.5 pts)
a) full (§1) ≠		b) todeflate (§3) ≠	
2-Complete the follow	ing table(1.5pts:):		
verb	noun	adjective	7
	reaction		-
		mixed	
to create	,		
2- Put the verbs between	een brackets in their	correct forms.(3 PTS)	
a) If we (inoculate)	a patient w	yith a vaccine, he (to develop) some immunity
against disease.		•	
	eat) h	ealthy food, she (to have)	` several diseases.
c) If you (to put).	ice cub	pes in water, they (to melt)	
T. Fill in the gaps w	with the following wa	ords:(1PT) energy	flow
Electricity is a type another. When electricit	of that co y gathers in one place	an build up in one place or.	from one place to ricity. But when it
PART TWO: Written Ex	xpression_Choose ON	NE of the following topics:	(05points)
Topic One: Al Khwarizmi Using the following notes	_		s of the Islamic Golden Age
- born in Per	sia around 780	mer, astrologer, geographer e "House of Wisdom" (Där a	
		cs, astronomy, geography)	· continu)

<u>Topic Two</u>: Suppose that you are in <u>a dilemma</u> and you cannot choose between your studies and working for your poor family write a letter to <u>agony auntin</u> which you seek for advice.

books (On Algebra/Hisâb al-Jabrwa'l-Muqâbala / Kitâb Sûrat al-Ard...)

died in 850