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| Resultado de imagen para listal talca |  **RACE TO FIND CORONAVIRUS VACCINE-**  Ilustración de Científico Sosteniendo Una Gran Jeringa Concepto ... **Evolución formativa N°2**  |
| Name |  |
| Grade: Cuartos Medios 2020 | Date Junio 2020 |
| Objective: Practise reading, comprehension, and writing skills. |
| Teacher . Miss Patricia Jara Céspedes Correo: ((profepatingles20@gmail.com)) |

**Reading.**

**Coronavirus: Scientists in the US race to find a vaccine**

The potential answer to stopping the coronavirus may be swishing around inside these trays.

Researchers at the US vaccine company Novavax say they have made a protein that stops the virus

from binding to human cells.

**Nita Patel:** We are working countless hours and I think we have made a significant ...uh... progress

in last ... you know ... couple weeks. Scientists here received the coronavirus gene sequence on January 10. They say within weeks, they cloned a non-infectious element of the virus, using ovary cells from a North American caterpillar as a protein factory.

**Gregory Glenn**: So now we have insect ovary cells making a "spike protein" which we then purify,

and that becomes a vaccine. The Novavax procedure has worked to make vaccines for the flu, Ebola and MERS. For the coronavirus, it appears to be effective as well. Clinical tests are expected to begin this spring. Though full licensing takes years, vulnerable communities could receive the experimental vaccine on a compassionate-use basis much sooner.

**Nita Patel:** The incentive is to save and help people as quickly and as soon as possible. In the race to contain the coronavirus, a win for the first to cross the finish line with a vaccine or a treatment, is a win for all. And so government researchers here at the National Institute of Health are partnering with private labs to quicken the pace of drug development. Moderna is another US bio-firm making progress. Its coronavirus vaccine is already in the NIH's hands and preparing for clinical trials in April.

**Gregory Glenn**: I think that's commendable ...um... If we have to come up with a billion doses you

might actually need ... you know... several vaccines that are ... that are working. Coronavirus has killed thousands and is heading toward a pandemic. US health officials say this is the fastest science has ever moved to develop a vaccine, but it could still be more than a year

before any is massively deployed.

**Activities to evaluate your Reading Comprehension.**

1. Everyone has been talking about coronavirus and how we can prevent people getting ill. Read what some people might be saying and define the vocabulary in bold.

**Then match each remark with who might have said it.**

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| --- | --- |
| 1. "We are developing a **vaccine** to **inoculate** people against this highly **infectious** disease." |  a. nurse or doctor  |
| 2. "Relax! It's just going to be a quick **jab**. | b. patient |
| 3. "I don't like **needles**!" | c. public health official |
| 4. "It's a **pandemic**! But do we really know all the facts?" | d. social media What do you know about the development of a coronavirus vaccine? |

**2. Watch for main idea. Find the answers to these questions:**

a. What do you know about the development of a coronavirus vaccine?

…………………………………………………………………………………………………………………………………………………………

b. How many people are being interviewed? …………………………………………………..………………………………

c. Where do these people work?...........................................................................................................

d. How many companies are mentioned in the report? …………………………………………………………………..

e. What are their names? ………………………………………………………………………………………………………………..

 f. What other important organisation is mentioned? ……………………………………………………………………..

**3. Watch for detail. Read the sentences from the report and remember/predict the missing words. The words you write will have the same or similar meaning as the words in bold. The first letters of the missing words have been given and each line in the missing word is one letter. Watch the report again to check.**

 a. Researchers at the US vaccine company Novavax say they have made a protein that stops the virus from **sticking/b**……………………. to human cells.

b. They say within weeks, they **copied/c**……………. a non-infectious element of the virus...

c. So now we have insect ovary cells making a "spike protein" which we then **clean/p**…………………… and that becomes a vaccine.

d**. C…………………. tests/tests** on people are expected to begin this spring.

e. Though full **permission to use the vaccine/l**……………………… takes years, **weak and unprotected/v**……………………………. communities could receive the experimental vaccine on a **sympathetic/c**……………………. -use basis much sooner.

f. In the race to **stop the spread of/c**………………………. the coronavirus, a win for the first to cross the finish line with a vaccine or a treatment ...

g. And so government researchers here at the National Institute of Health are partnering with private labs to **speed up the rate/q**………………………………… **the p**………………… of drug development.

h. Its coronavirus vaccine is ... preparing for clinical **tests/t**……………………… in April.

i.. Gregory Glenn: I think that's **deserving of** **praise/c** ………………………….

j. ...we have to come up with a billion **individual amounts of medicine/d** …………………………....

k. ...but it could still be more than a year before any is **used in large numbers/m……………………….**

**d**……………………………….

**4. Comprehension questions According to the report, are these statements true or false?**

a. The procedure that Novavax uses to make its vaccine has never been tried before………….

b. Drug companies are mostly motivated by profit in developing this vaccine. …………………..

c. There is collaboration between drug companies and governments to produce a vaccine………….

d. The idea is that when several vaccines have been developed, governments should choose the best one to use for everyone………………

 e. The rate of progress on developing a vaccine is record-breaking…………………

**5. Vocabulary. Read the words and their definitions and look for their correct meanings.**

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| --- | --- | --- | --- | --- |
|  | Words | ¿????¿ |  |  Meanings |
| 1 | caterpillar |  | a | the code inside cells which contains information on how to build a living thing |
| 2 | human cell |  | b | a type of chemical that helps to form the cells of living things |
| 3 | gene sequence |  | c | a type of insect that turns into a butterfly |
| 4 | ovary |  | d | the basic building blocks of our bodies; you need a microscope to see these  |
| 5 | protein |  | e | female organ of egg production |

 