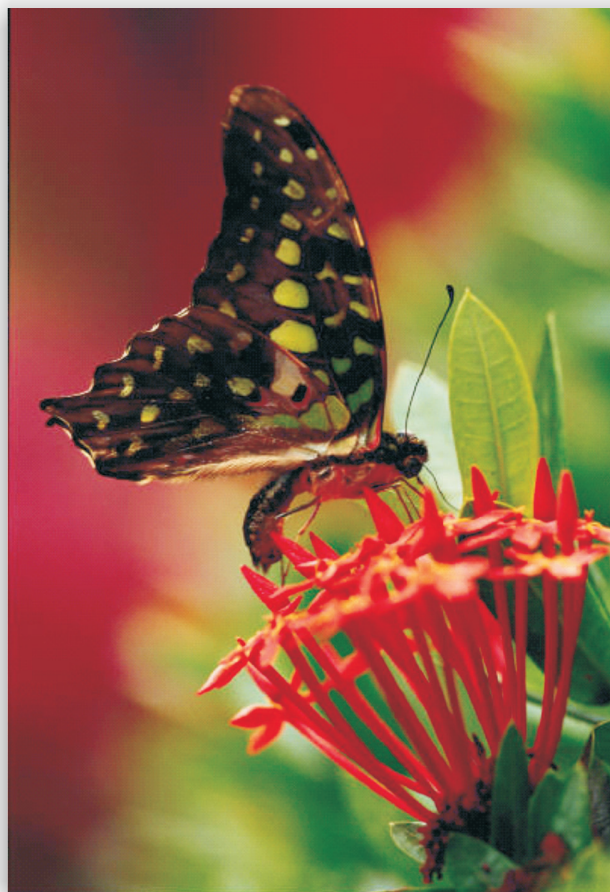


THE ANIMALS AND HUMAN HEALTH



INDICADORES DE LOGROS:

- Incrementa su vocabulario sobre los animales.
- Revisa aspectos gramaticales y los utiliza para la comprensión lectora.
- Lee textos cortos y los interpreta de acuerdo a sus capacidades.
- Identifica la información requerida para ampliar su conocimiento de una situación o problema. (GESTIÓN DE LA INFORMACIÓN).
- Ubica las distintas fuentes de información disponibles.
- Recoge organizadamente la información.
- Demuestra interés por actualizar su información de manera constante.



I read and analyze the following information with my classmates.

El medio tan competente en el cual nos estamos movilizando nos exige mayor agilidad y destreza en las diferentes labores que con frecuencia debemos realizar. La competencia de GESTIÓN DE LA INFORMACIÓN ofrece la posibilidad de mejorar aspectos relacionados con la selección y organización de información de manera acertada. Si avanzamos en este proceso, cualificamos significativamente nuestra labor cada vez que se requiera poner en práctica esta competencia.



I do the following exercises on my notebook:

1. With my team work I complete the following topics about animals:

Wild animals _____

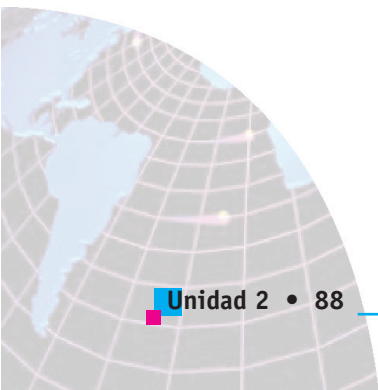
Sea animals _____

Domestic animals _____

Farm animals _____

2. I answer the following questions:

- a. Which animals are used in medical research? I make a list on my notebook.
- b. Do you agree with these practice or experiments with animals?





I read the following information with my classmates. I can use the dictionary.

THE ANIMALS HELP TO DEVELOP MEDICAL TREATMENTS

Animals are older than human beings, they appeared in a simple form and then they were getting new forms and appearance. Unfortunately the man is destroying the different species using different methods. Some of the animals are used as part of nourishment, others as a means of transport, and some of them as a company. Every day we see less animals around the world, they are disappearing because of us, we are not taking care of them as they need, we are not conscious about the benefits they give us.



In this new millennium, millions of folks around the globe are exploring other dimensions of our universe. Now, animals are participating in our lives as never before, they give us company, care and they are important in the biomedical research, for that reason it is important to appreciate the need to protect wildlife for future generations.

ANIMALS CONTRIBUTE TO BIOMEDICAL RESEARCH

Here are a few animals on which scientists commonly support:

Mice, Rats

Mice and rats are ideal for studies of aging³, these animals have unusually low immunity, and they help us to study tumors and treatments for cancer. Rats and mice reproduce readily; investigators use them to discover how drugs affect offspring⁴. Vaccines for many diseases, including whooping cough⁵, were developed and tested

³ **Aging:** the length of time during which a being or thing has existed.

⁴ **Offspring:** children or young of a particular parents or progenitor

⁵ **Whooping cough:** an infectious disease characterized by a series of short convulsive coughs followed by a whoop.



in mice. They contribute to research on muscular dystrophy, in vitro fertilization... the list is endless.

Dogs



A dog's heart works much like a human's. In the 1600s, William Harvey studied its heart movement and blood circulation. Because dogs have a high incidence of kidney disease, they are a natural choice for this research. The first successful kidney transplant occurred in dogs at Harvard University in the late 1950s. Dogs currently aid research to prevent the rejection of transplanted organs.

Artificial hips and joints for the handicapped, injured and aged were designed and tested in dogs. The most common treatment for human cataracts, the intraocular lens, was developed in dogs. In the future, they will help us to find ways to treat diabetes, cancer, gallstones⁶, emphysema, hemophilia, lupus and more.

Monkeys

Similarities between humans, apes and monkeys are an obvious advantage to biomedical research. Dr. Bruce Chown and his Manitoba research team pioneered the treatment of Rh factor disease in rhesus monkeys. From monkeys and apes, we have gained insights into human language and behavior, Parkinson's and Alzheimer's diseases, respiratory problems, intrauterine surgery and more.

Pigs

The hairless, abdominal skin of the pig has an almost human texture. Many treatments and drugs for skin diseases, including therapy for severe burns, have been developed in pigs. This barnyard animal can suffer from heart attack and gastric ulcers; it is an excellent subject for this research.

Now I am going to read a real story about the importance of animals in our life.

Angel Animals

In May of 2001, I came home to find that my husband had left me. There was no warning that he was going to leave. He never cheated etc. I knew that he had gotten his green card a month before. So basically I was used so that he could

⁶ **Gallstones:** an abnormal store mass in the gallbladder or the bile passages.



obtain residency. I loved him very much, so you can imagine my shock when I came home to find him gone.

If it were not for my two cats I would probably not be here writing this letter. The shock of my ex husband's very sudden departure put me into a deep depression. I became extremely suicidal during the first two weeks that my ex was gone. It was the first time that I had stared death in the face and didn't feel fear.



Well, one day I had planned my suicide. I had made arrangements for the care of my two cats Junior and Toomey, I told a friend of mine that if anything happened at all to me to please make certain that my cats were looked after and that they needed to stay together no matter what.

The day I planned to carry out my deed⁷ I had laid out all the pills and alcohol on the kitchen table. Just as I was about to carry it out, both my cats jumped up on the table and stared at me. Toomey never ever jumped up on the table before, she never even jumps up on counters etc. But they both jumped up together at the same time.

They looked at me, and I swear⁸ I could actually hear them speaking to me (I know this sounds extremely weird⁹) it was like they were telling me 'hey what about us?' I looked at them and they looked at me, this seemed to go on for a while. Through all my tears and anguish I had forgotten them. I threw the pills away and poured the alcohol down the sink. Junior and Toomey saved my life that day.

If they hadn't jumped up on the table at just that moment, I know that I would not be here today. Since then, we have moved to a new state and have started life over. I no longer feel depressed; in fact I am much happier now than I was during my marriage.

Junior and Toomey are the greatest cats a person could ever share their home with. I spoil them every day, and they show me love everyday. I am very lucky to share my home with them.

⁷ **Deed:** something that is done.

⁸ **Swear:** To make a solemn declaration by a sacred being or object.

⁹ **Weird:** suggesting the supernatural



El éxito de nuestra labor diaria depende de múltiple factores, si alguno de ellos falla o lo elaboramos de manera incorrecta, nuestra labor se verá afectada; por ejemplo, si necesitamos elaborar un resumen o presentar una consulta para determinada tarea y si no sabemos como seleccionar la información que necesitamos, con toda seguridad vamos a presentar un mal informe o trabajo. Debemos estar atentos al manejo de esta competencia, ella nos es útil en muchas de nuestras tareas.

Activity one

In front of the name of each animal, I have to write the name of two diseases they help to treat.

- a. MICE, RATS _____
- b. DOGS _____
- c. MONKEYS _____
- d. PIGS _____

Activity two

I write on my notebook the main idea of the text, and some secondary ideas. Then, I share my answers with my classmates and the teacher, translating them into good Spanish.

GRAMMAR REVIEW

I write the following information on my notebook.

There is a group of verbs called **PATTERN** verbs, because they need a special rule to use them. Here are three possibilities of pattern verbs.



a. **VERB + INFINITIVE** (to) That means the following verbs must be followed by TO in a sentence: Want, promise, decide, forget, intend, ask, remember, wait and so on.

Examples: They want to buy a new car.
He promised to come early.
I decided to go by taxi.
She forgot to post the letter.



My Turn

By my own, I write four sentences using the missing verbs.

b. **VERB + ING.** The following verbs are used always followed by ING: Love, like, enjoy, finish, avoid, practice, consider, remember...

Examples: She loves watching TV.
He finished reading the book.
I like cooking, but I don't like washing up.
They enjoy listening to music.



My Turn

I write by my own, four sentences with the missing verbs.

c. **VERB + ING OR INFINITIVE.** If we decide to use the following verbs in infinitive or with ING the meanings of the sentences don't change. Examples:

It began to rain / raining

I started to learn / learning



My turn:

With the following verbs, I write sentences using the infinitive and the Ing.

Verbs: Forget, continue, prefer, stop, try, and begin.



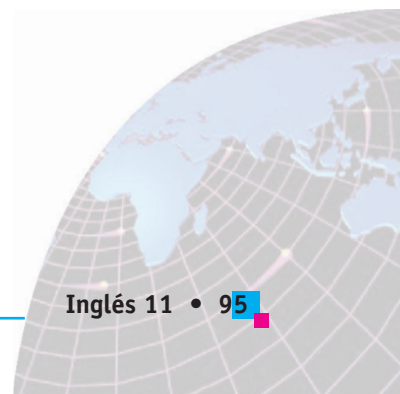
Cuando necesitamos ampliar nuestros conocimientos acerca de una situación cualquiera, lo primero que debemos hacer es ubicar las fuentes que vamos a emplear para resolver la cuestión, si no tenemos en cuenta este aspecto nuestra labor será más dispendiosa y complicada.

We are going to develop the following activities on our notebooks. We are going to work in an individual way:

- a. In the previous reading about animals, I select the sentences that contain the grammar rule given above. I write the sentences on my notebook and I translate them.
- b. I am going to select one person in my community and I am going to ask the following questions. I can write his / her answer in Spanish. Finally, I share this activity with my classmates and the teacher.
 - Why are animals important?
 - Do you like animals? Do you have a pet?
 - Which animals in our region give us help?
 - Which animals in our region are going on?
 - How many animals do you have at home?
 - Do you take care of them?
- c. I select the animal I like the most and I draw a picture about it. I write the main characteristics of this animal and its importance in life. Finally, I make an exposition in front of my classmates and the teacher. We stick the pictures on the board.
- d. I find out information about animal species that have disappeared in my region; I write all the information about it. I share this activity with my teacher and my classmates.



**I have finished
my work**





ESTUDIO Y ADAPTACION DE LA GUIA

