Jupiter, noté les anilles de suturno.

How is Galileo known in our days? Why?

Como el padre de la Ciencia Maderna.

10. Who was Anton van Leeuwenhoek? What did he do?

Fué un holundes fabricante de lentes.

Hizo un microscopio simple.

11. How has the invention of the telescope and -the microscope helped modern science?

Que ayudarina a hater mejorg

instrumentos

On what those the usefulness of the instruments depend?

De las personas que las utilizen.

EXERCISE VIAN Sides severed grid views

Write a summary of the reading in Spanish.

GALILEO GALILEI

to published a book, The Starry Messenger, telling of the worder of seeing for the first time things

cope - and began observing the Sun, Moon, and

(1) Scholars the world over came to respect Galileo Galilei as a giant of astronomy. He was - Italian, born in 1564. He had great fun punching holes in widely held scientific beliefs that had not been tested by experiment. For instance, some - professors argued that since air does not fall it must be weightless. Galileo compressed air into a leather flask and weighed it. Then he emptied the flask and weighed it again. Since it was lighter than before, he proved that air has weight.

(2) Aristotle had taught that objects fall faster according to their weight. Galileo reasoned
that if they were all of the same material, weight
wouldn't matter. He tested this by dropping large
and small objects of the same material from a high
tower. His students, waiting below, saw the objects
hit the ground at about the same time.

(3) In 1609 Galileo heard of the invention, in Holland, of a "spyglass," with which distant objects could be seen as though they were nearby. He made

.84

Elvis monteras y and teres

developed a more powerful telescope and he -

himself one of these instruments-a refracting telescope - and began observing the Sun, Moon, and planets. He published a book, The Starry Messenger, telling of the wonder of seeing for the first time things which had been invisible to the naked eye. Tradition said that the heavenly bodies were smooth, unblem ished spheres of perfection but Galileo's telescope showed mountains, valleys, and craters on the Moon. When he studied the hazy band known as the Milky - Way, he discovered that it was made of countless individual stars. Later, Galileo saw the phases of Venus as positive proof that the Sun formed the - center of the planetary system.

la luna Descubrio, lut y lynus de

- (4) Although his discoveries made Galileo known all over Europe, some scholars refused to believe in them. A few refused even to look through the telescope. They still clung to the old ideas of Aristoteles and Ptolemy. Church officials warned Galileo not to support the Copernican view that Earth moves around the Sun as the other planets do. For years, he remained silent on this matter.
- (5) In 1632 he published a book attacking all arguments against Earth's motion. The Pope turned the matter over to the Roman Inquisition. The next

year, Galileo was tried in Rome and forced to deny that Earth moves and that "the Sun is the center of the World." He was kept under house arrest for his few remaining years. By 1637 Galileo had gone blind. But meanwhile, he had written his greatest scientific book on mechanics and motion. This book is known today as Two New Sciences.

EXERCISE I

You can understand many of the words in this reading because they are similar to Spanish. Look for them and write them down.

1	in aldedy he	ld 11. weightlis sebirdgiow . II
2	r . Henex cum	12. compressed bacasagnos II
3.	Tested by experi	13.
4		14.
5	For instance	15.
6.01	s that are unknown	Make a list of the 16
7.	Since air dock to	- 217. see theat ball bas woy
8.	Strategies	18.
9.	weight weekleds	19.
10	AT DESC	20.

TO 45 EXERCISE II AND SHIP SHAP BAR SOVOM ASTER TRACT

Be sure that you know the meaning of the -- following words which were used in this article.

1. Scholars	Estudioso
2. weight	peso
3. refracting telescope	Telescopio refractivo
4. heavenly bodies	coerpos celestes
5. Milky Way	via lactea
6. stars discovered that	estrellas
7. phases more and the second	bu fases and vol
8. planetary system	sistema planetario
9. motion	movimiento
10. invention	soinvención de
11. weightless	sin peso
12. compressed	to to look through the to

EXERCISE III

Make a list of the words that are unknown to you and find their meaning.

se Continican view, that Earth act

1. rouments against Earse	11. orion The Pope Lurn
2.1	12. a thousastion The 91

3.	vidrand erl3. vedt danodt sa
4.	dentally the paragraph 14.
5	ot otdisiyal good 15. g doidy appid:
6	alileo no estaba dil6.cuerdo com yez bessa ()
7.	1988 1998 48154 1779 105/8 aleks
8.	construct 158 B(18.2 state of
9. 1	smooth, unblen .19 coneres of perfe
10	20. 150 160 160 160 1 160 160 160 160 160 160
	19. the hazy band known as 9998 Mefry way smal
North	EXERCISE IV become control of deceleration
doole	Translate the following phrases.
1.	He had great fun punching holes.
1	El se diverts a haciendo guegos.
2.	in widely held scientific beliefs.
E	a tener ampliamente influencias sier
3.	Tested by experiment.
	Proc bas para experimentos
4.	For instance Por ejemplo: elidensem 300
5.	Since air does not fall
	Si el gire no se callía
6.	weight wouldn't matter.
	El peso no inportaria

7.	as though they were nearby.	
	con el cual objetos distantes plumierse	id
8.	things which had been invisible to the naked eye.	
1.	casas que habiun sido invisibles para	
2.	la simple vista del hunano. 8	
9.	smooth, unblemished spheres of perfection.	
4.	rasposas oferas de la perfección.	
10.	the hazy band known as the Milky Way.	
ō.	brunosa banda conocida como vía locka.	
11.	countless individual stars.	
	incontables estrellas individuales	
12.	They still clung to the old ideas.	
10-	Ellos aon creian en lus viejas ideas.	
13.	turned the matter over	
	cedio este material.	
14.	kept under house arrest.	
2	Estuvo en arresto.	
15.	But meanwhile Pero en ese tiempo.	
yo	5. Since air does notsmantem rient oner one	
	Si staire no se calla	
1.	6weight wouldn'.filmatter.	
	61 Desoino inperturio	

.EXERCISE V

Identify	the	paragraphs	in	which	you find	the
following ideas	lons	owing quest:	110	the fo	Answer	

- 1. Galileo no estaba de acuerdo con los () científicos de su tiempo por no apoyar sus teorías con experimentos.
- 2. Galileo publicó un libro atacando la po- () sición de que la tierra no se movía.
- 3. Los descubrimientos de Galileo le dieron () fama en toda Europa.
- 4. Había personas que decían que el aire ()
 no pesaba.
- 5. Galileo efectuó experimentos que con (
 tradecían la teoría de Aristóteles en relación a la velocidad con que caen los
 objetos.
- 6. Galileo hablaba en su libro de la mara- (
 villa que era poder ver cosas hasta entonces vedadas para el ojo humano.
- 7. Galileo fue procesado y obligado a negar (') que la tierra tuviera movimiento.
- 8. Galileo quedó ciego. 83 colileo bib iada ()
- 9. Había gente que seguía aferrada a las () ideas de Aristóteles y Tolomeo
- 10. No hay differencia en la velocidad y/o () tiempo en que caen 2 objetos hechos del mismo material.

EXERCISE VI The paragraphs in IV ESIONES

Answer the following questions in Spanish.

- 1. What kind of work did Galileo have?
- 2. What did Galileo do to refute the theory that air was weightless?
- 3. What was Aristotle's theory about the speed with which objects fall?
- 4. What was Galileo's theory about the same -- matter?

Calileo hablaba en su libro de le mare-

- 5. What could be seen with a "spyglass"?
- 6. What did Galileo say in his book "The Starry Messenger"?
- 7. What did tradition say about heavenly bodies?

8.	Why did Galileo	remain sile	ent for many	years'			
9.	In 1632 Galileo			t was			
egite	re et words and op-	on gniwollo	Read the				
10.	What happened a book?	What happened after the publishing of this book?					
	(<u>0</u>) - 1 - 2 - 1 - 1	out 76	Sgrage				
	9	ide I (u)	73 cm6-	2			
eter	EXERCISE VII	ndas Teelo que plain .	smooth smooth	3 2.			
	Write a short su	ummary of ea	ch paragrap	h			
157	O Ø	stick	cling	. 6.			
••	0	100(01	refuse				
2.	Chalizar of conter	compelled	exto lagring	168			
	O & O	cloudy	Yasa	.o.t			
3.	Darland on texts	ns en 1690 és		1.1			
3.	nerida en Españo	gvods	Wolsd	.S.E			
4.	Semestra el cono	imioWPl ² del definitiv	vocality in	o-lit.			
	TCO NO LA LOTO	p. Titee	tratio	31			

Why did Galileo remain silent for many years?

EXERCISE VIII

Read the following pairs of words and decide if the words in each pair have the same or opposite wearing after the publishing gainsmen

In 1632 Galligo published an hook swint was

1.	agree	argue	S	0
2.	empty	ful1	S	0
3.	visible	clear	S	0
4.	smooth	plain	ERICOE	Xa o
5.	positive	questionable	S	0
6.	cling	stick	S	0
7.	refuse	reject	(\$)	0
8.	lighter	heavier	S	0
9.	forced	compelled	S	0
10.	hazy	cloudy	S	0
11.	distant	near	bo Sk 11	0
12.	below	above	S	0
13.	fast	slow .	S	0
14.	positive	definitive	(3)	0
15	silent	mute	S	0,000

4to. SEMESTRE INGLÉS SEMESTRE (UNIDAD 6

INTRODUCCION: A testines the fellow their idea man : NOIDOUGO

Es importante señalar la diferencia que existe entre hacer la traducción de un texto y la comprensión del mismo, pues hacer una traducción sin comprenderla no tiene sentido. Recuerda que lo que se pretende es que comprendas lo que lees y en un momento dado sepas aplicarlo.

OBJETIVOS: Itans are the biggest users of aspiring

- 1. Analizar el contenido de un texto en Inglés.
- Identificar vocabulario técnico en un texto en Inglés.
- Localizar en textos en Inglés información re querida en Español.
- Demostrar el conocimiento del vocabulario técnico aprendido.
- Expresar en Español información requerida en Inglés.