

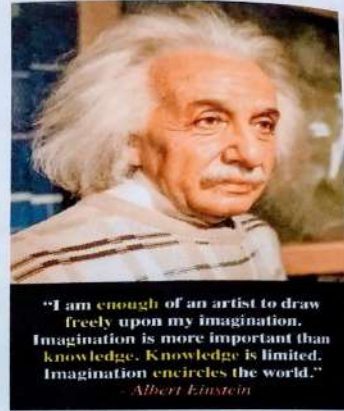
READING COMPREHENSION



Read the following text and answer the questions.

Great minds: Albert Einstein

You would probably recognize Albert Einstein from his photos. Yep, he was the guy with the crazy hair! But he also had some great ideas. He was more than just a scientist. He was a genius who changed our lives. He made some of science's biggest discoveries. He also developed some important theories. Some of these theories may seem complicated. But they concern everybody. Science is everywhere and affects us every day. Einstein's discoveries made things like television, DVD players, and garage door openers possible. Einstein was born in Germany in 1879. When he was five years old, his dad gave him a compass. It became his favorite toy. He would stare at the needle of the compass as it moved. It seemed like magic at first. Einstein wanted to understand how the needle moved. So he learned about magnetism. Magnetism is about the invisible force of magnets. It can make objects stick together or move away. Einstein also learned a lot about science and electronics because of his dad. His dad owned an electronics company. It was no surprise that Einstein ended up loving math and science. He started performing experiments at a very young age.



Einstein performed extremely well in school. He quickly advanced to higher level math and science topics, and his teachers were impressed by his grasp of college-level physics concepts by the time he was eleven. When he was young, he met a Polish medical student named Max Talmud. Talmud became his tutor. He showed Einstein a children's textbook about science. Einstein became curious about light and other things.

Einstein later attended school in Switzerland. He made many friendships. He also met his future wife, Mileva Maric. She was a Serbian physics student. Einstein received his doctorate in 1905. That same year, he published many important scientific papers.

After that, Einstein became a professor in Germany. But times were tough back then. Hitler and his Nazi party started a war against Jewish people. Einstein was Jewish. So he decided to leave and go to the United States. That was in 1933. And it's a good thing he did. The world needed him to be free and pursue his passions.

Einstein was not an inventor like Thomas Edison or Alexander Graham Bell. But his theories and discoveries changed the way we look at things. Some examples are time, space, matter, energy, and gravity. Einstein is best known for his Theory of Relativity. You probably heard of the equation $E=mc^2$. E stands for energy, m stands for mass, and c stands for speed of light. But what does this all mean? Yes, it is as complicated as it sounds! Here's the most basic way to explain it. The theory

is a scientific explanation about how space relates to time. This was very important. It changed the way scientists looked at the universe. This theory also brought on inventions like the nuclear bomb and nuclear energy.

Einstein made many other discoveries. For example, he figured out that light is made up of many little particles called photons. He called this the quantum theory of light. At the time, some other scientists did not agree with this theory. But later, it was proven. This was an important discovery. It led to many inventions such as television. Here's one more example of an important discovery Einstein made. Along with scientist Satyendra Bose, he discovered a new state of matter. Regular states of matter are gas, liquid, and solid. Einstein and Bose found another one. They named it the Bose-Einstein Condensate.

Today, it's used in cool things like lasers. Einstein's work was and is valuable to the world. This is one of the reasons he eventually won the Nobel Prize in Physics. The Nobel Prize is a very famous award given to someone who has done outstanding work in different subjects like science or medicine. Einstein died in 1955. He was later named "Person of the Century" by TIME Magazine.

by Lydia Lukidis

Inglés

Activity pag 200 Traducción

English	Spanish	English	Spanish
Recognize	Reconocer	everywhere	partes
Yep	Si	affects	afecta
was	estaba	things	cosas
guy	chico	garage	garaje
crazy	loco	When	Cuando
also	ademas	five	cinco
had	tenido	dad	Padre
Just	solo	him	él
Scientist	cientifico	compass	Brújula
Genius	genio	stare	mirar fijamente
changed	camdio	needle	aguja
science's	ciencia	compass	Brújula
developed	desarrolló	seemed	parecio
may	mayo	understand	comprender
seen	visto	needle	aguja
But	Pero	moved	movido
everybody	todos	learned	aprendier

English	Spanish	English	Spanish
magnetism	magnetismo	encircling	rodea
force	fuerza	extremely	extremadamente
together	Juntos	well	bien
away	fuerza	advanced	avanzado
about	acercas de	higher	mas alto
dad	Padre	impressed	Impresionado
owned	Poseido	grasp	sujetar
company	empresa	college	universidad
surprise	sorpresas	physics	fisica
ended	termino	time	hora
math	Matematicas	young	Joven
started	empezado	met	reunido
Performing	ejecutado	Polish	Polaco
very	muy	named	llamado
young	Joven	Talmud	Talmud
enough	suficiente	became	convirtio
freely	libremente	tutor	tutor
Knowledge	conocimien ^{to}	showed	mostro
Knowledge	conocimien ^{to}	children's	Para niñas

English	Spanish	English	Spanish
light	luz	like	como
other	otro	But	Pero
things	cosas	changed	cambio
later	mas tarde	things	cosas
attended	asistio	Known	como
Milena	Milena	stands	soportes
Mileva	Mileva	light	luz
received	resorio	does	lo hace
Doctorate	Doctorado	mean	significar
same	mismo	sounds	sonidos
Papers	documentos	basic	basico
then	luego	explain	explicar
Hitler	Hitler	theory	teoria
started	empezado	Reality	realidad
United	Unido	Probably	Probablemente
thing	cosa	explains	explicacion
needed	nesesario	looked	miró
Pursue	Perseguir	brought	trava
was	estaba	quantum	Quantum

a Based on the information in the article, which statement is true about Albert Einstein's younger years?

- 1 Einstein's teachers were disappointed in his lack of interest in math and science.
- 2 Einstein was tutored by a Polish medical student, Max Talmud.
- 3 Einstein wanted to be a physics professor like his father.
- 4 Einstein's first time traveling abroad was when he fled Germany for the U.S. in 1933.



b Even though Albert Einstein wasn't an inventor, his discoveries paved the way for many inventions. Name **six** things that were invented because of Einstein's work in math and science.

- 1 television
- 2 DVD players
- 3 garage door
- 4 light curiosity
- 5 Theories of relativity
- 6 the Bose-Einstein condensate

c In addition to Einstein's Theory of Relativity, describe **two** other important discoveries Einstein made during his life.

time and space theory
matter, energy and gravity