

Student: \_\_\_\_\_ 10 BTP Electricidad

Date: \_\_\_\_\_ Teacher: Francis López

## Nikola Tesla



**Nikola Tesla** was born on July 9th, 1856 in Smiljan, in what was then the Austrian Empire (now Croatia). His parents were Serbian. He attended the Technical University at Graz, Austria, and the University of Prague.

Tesla was a Serbian American inventor and engineer who discovered and patented the rotating magnetic field, the basis of most alternating-current machinery. He also developed the three-phase system of electric power transmission. He immigrated to the United States in 1884 and sold the patent rights to his system of alternating-current dynamos, transformers, and motors to George Westinghouse. In 1891 he invented the Tesla coil, an induction coil widely used in radio technology.

When he came to the USA, he first found employment with Thomas Edison, but the two inventors were far apart in background and methods, and their separation was inevitable.

Tesla developed the alternating-current power system that provides electricity for homes and buildings. He also pioneered the field of radio communication and was granted more than 100 U.S. patents. He is best known as the Father of Electricity.

Tesla died on January 7<sup>th</sup>, 1943, in New York.

## 1. Solve the puzzle Tesla Wordsearch

E	S	Z	D	M	S	V	N	N	A	H	M	V	C	I	T
M	S	T	O	Y	K	W	P	A	X	G	M	E	A	N	R
I	V	T	N	X	N	N	S	E	M	F	Q	H	C	V	A
M	O	P	D	E	O	A	N	E	D	A	K	G	X	E	N
R	W	P	Q	I	T	G	M	I	R	I	P	I	M	N	S
K	G	M	D	K	I	A	D	O	L	B	N	M	Z	T	F
R	L	A	Q	N	P	T	P	R	S	I	I	S	C	O	O
N	R	X	E	M	J	B	E	W	T	D	O	A	O	R	R
O	D	E	F	Z	E	J	T	E	S	L	A	C	N	N	M
I	R	Y	T	I	C	I	R	T	C	E	L	E	V	Q	E
T	R	A	N	S	M	I	S	S	I	O	N	G	Y	E	R
C	A	E	E	S	U	O	H	G	N	I	T	S	E	W	S
U	D	R	W	T	E	C	H	N	O	L	O	G	Y	V	P
D	I	I	N	O	I	T	A	C	I	N	U	M	M	O	C
N	O	I	W	X	P	C	N	F	L	S	G	F	B	U	Z
I	A	D	S	S	W	B	R	U	F	U	C	R	A	H	L

TESLA SERBIAN INVENTOR ENGINEER ELECTRICITY  
POWER AC TRANSMISSION DYNAMOS  
TRANSFORMERS MOTOR WESTINGHOUSE COIL  
INDUCTION RADIO TECHNOLOGY EDINSON RADIO  
COMMUNICATION PATENTS

### 3. Matching activity.

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|---|---|
| 1. Tesla is best known                                  | a. the USA.   |
| 2. He immigrated to                                     | b. that provides electricity for homes and buildings. |
| 3. He sold his patents rights to                        | c. Thomas Edinson.                                    |
| 4. He died in   | d. more than 100 U.S. patents.                        |
| 5. He worked with                                       | e. in New York.                                       |
| 6. Tesla was granted                                    | f. as the father of electricity.                      |
| 7. Tesla developed the alternating-current power system | g. George Westinghouse.                               |