

The Club of Experts

**Мастер-класс
«Применение игровых технологий на
уроках английского языка в системе
среднего профессионального
образования»**

2017 г.

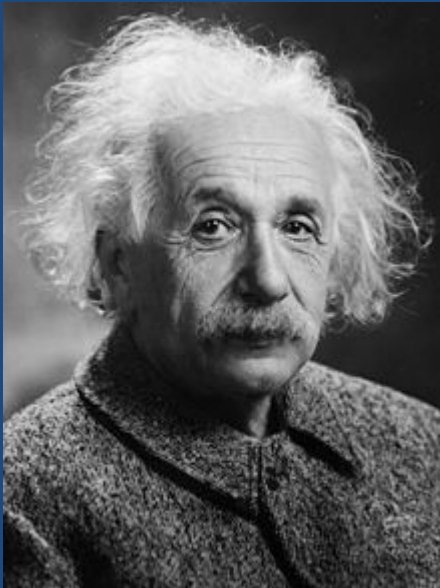
1. Albert Einstein	<u>10</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u>70</u>
2. Batteries	<u>10</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u>70</u>
3. The capacitor	<u>10</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u>70</u>
4. Electrical safety	<u>10</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u>70</u>



1

10 points

Albert Einstein is known as a brilliant theoretical physicist and the founder of...?



*The answer:
The theory of relativity*





1

20 points

Albert Einstein received the Nobel Prize for
Physics in...

1895

1905

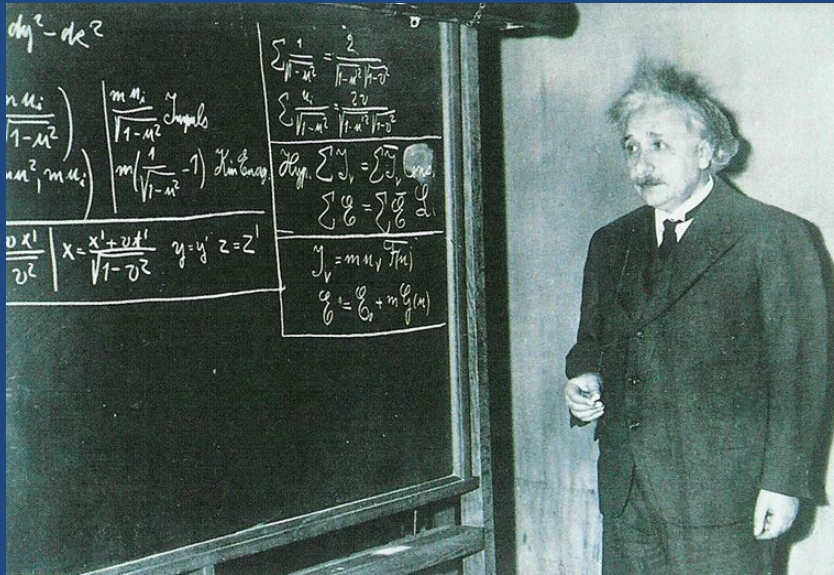
1921



1

30 points

How long did it take Einstein to form his
“General Theory of Relativity”?



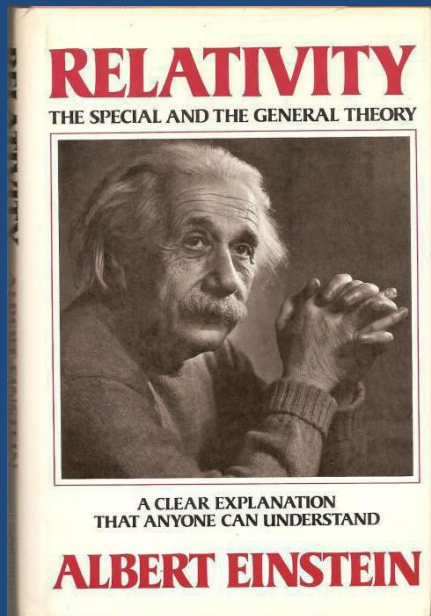
*The answer:
10 years*



1

50 points

Who often joked Einstein: “Not everybody is born to become a professor”



*The answer:
His uncle*



1
70 points

In 1939 Einstein wrote a letter to President Roosevelt, at the request of several prominent physicists. Why did he do it?

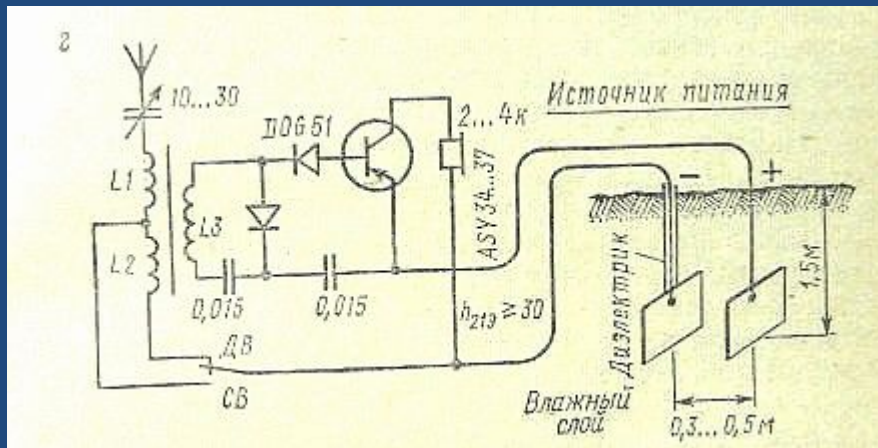
*The answer:
to outline the military potential of nuclear
energy and the dangers of a Nazi lead in this
field*



2

10 points

A battery is a source of...



*The answer:
electrical energy*



2

20 points

Who is the inventor of the electrical battery?

The answer:

*Alessandro Guiseppe Antonio Anastasio
Gerolamo Umberto Volta (Alessandro Volta)*



2

30 points

Today battery cells are produced in ... common forms.

2

3

4



2

50 points

Match the words and their definitions:

Electrodes	a dilute acid solution
Electrolyte	a nonconducting container
The cell	a pair of dissimilar metal plates

The answer:

Electrodes - a pair of dissimilar metal plates

Electrolyte - a dilute acid solution

The cell - a nonconducting container



2

70 points

Glass, wood, rubber, some plastics are called...

*The answer:
insulator*



3

10 points

A capacitor is used to...



Anhui Safe Electronics Co., Ltd.

*The answer:
to store quantities of electricity*



3

20 points

Air, glass, oil and waxed paper are...

*The answer:
Common dielectrics*



3

30 points

The unit of capacitance is...

*The answer:
the farad*



3

50 points

What capacitance is more convenient for practical purposes?

*The answer:
the microfarad*



3

70 points

What is the most common capacitor used in radios and the ignition system of automobiles?

*The answer:
“paper capacitor”*



4

10 points

If the motor is overloaded one should..

*Replace the
fuses*

*Reduce the
load*

*Repair the
winding*



4

20 points

If the brushes are in the poor condition one should...

*Adjust the
pressure*

*Check the
brushes*

*Replace the
brushes*



4

30 points

If rheostat is shorted one should...

*Adjust air
gap*

*Check the
rheostat and
repair it*

*Switch the
rheostat from
one position to
another*



4

50 points

If motor circuit has poor contact one
should...

*Make the
pressure
excessive*

*Adjust the
pressure*

*Repair the
shorting
mechanism*



4

70 points

If circuit in armature winding has an open one
should...

*Replace the
fuses*

*Repair the
armature
winding*

*Reduce the
load*





Summing up





bye