



<https://youtu.be/jg5IQ5Hf2G0>

I. General comprehension :

1) Where and when was Lord Patrick Maynard Stewart Blackett born ?

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2) What would he do when he was young ?

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3) What kind of school did he attend ?

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4) What happened after the Battle of the Falkland Islands ? What fascinated Patrick Blackett so much then ?

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5) Who did he meet at Cambridge University ?

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6) Who was Ernest Rutherford and what did he ask Patrick Blackett to do ?

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7) Circle the right answer :

__ He helped confirm the existence of the a) neutron b) positron.

__ Patrick Blackett fought with a) guns b) mathematics.

__ He earned the Nobel Prize for a) Physics b) Operations Research, a new discipline he had created and helped popularize.

__ Explain the following sentence : During the war, German submarines found a way of **eavesdropping** on our radar diving before we could bomb them.
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8) Where has Patrick Blackett spread operational research into ?
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9) What is operational research used for today ?
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10) What kind of discoveries did Patrick Blackett make thanks to operations research ?
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11) Which nobility titles was Patrick Blackett endowed with ?
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II.Detailed comprehension :

Listen to the video three times and fill in the blanks :

Draw my life script

My name is Patrick Blackett or I'm also known « the right honourable Lord Patrick Maynard Stewart Blackett » OM CH PRS WTF. OK, that last one was I'm going to draw my life : I was born..... When I was young, I loved playing with and would build my own..... and These interests helped me a place at a school that prepared its students for the..... Attend and you think your teachers are strict. I

hadn't even finished my when World War One Soon I was at the Battle of the Falkland Islands at the age of just When the war was finally over, the sent me to University to finish my studies, which is rather nice of them. While there I became so fascinated with I immediatelyand enrolled as a Cambridge At Cambridge, I met a girl called and fell madly in love with her. We would eventuallyand have a son and daughter. Anyway, enough of that, back to my first: « science ». I'd studied under Ernest Rutherford, a who just discovered Let's just say it was a pretty big deal. He asked me to using a new called a which looked at how travelled. After some, I demonstrated it was possible to make one element turn into another as if by..... although there's no such thing as magic. I also helped confirm the existence of the, the discovery that would me the Nobel Prize for Physics. But yet again my work was to be interrupted by war. However, this time I fought not with guns but with mathematics, improving with scientific This led to the creation of operational research, a discipline Iand helped to popularize. During the war, German submarines found a way of eavesdropping on our radar diving before we could bomb them. I used to with a solution. Instead of our radar, I calculated a system that would their detectors around the clock making them dive for so long they'd run out of and and be forced to surface. We would then and destroy them. It was away of thinking. So that marshall Harris was having none of it. Speaking to Winston Churchill, he asked : are we fighting this war with weapons or with the rule ? Churchill took one on his cigar and said : « that's a good idea, let's try the rule ». The submarine sinkings went from 2% to 45% so I guess the slide rule 1 chairs operational research. After the war, I have spread operational research into,,,,and beyond, but it's still used today performance and helping people make I also made many other discoveries like helping prove continental, the geological process that describes continents and I led the team that discovered two more subatomic particles. Check me out, I was made of the Royal Society in 1965 and I was made in 1969. I even had aon the moon named not a bad way to celebrate our life's work although I wouldn't find a glass of if you want to know more about how can help the world work better. Visit the ORsociety.com

WORD BANK :

OM : Order of Merit

CH : Companion of Honour

PRS :President of Royal Society

WTF : What The Fuck

around the clock : toute la journée

To dive : plonger

III. ESSAY : Pick ONE topic only.

Topic A : You're Patrick Blackett and you're trying to make Marshall Bomber Harris understand what operations research is. Imagine the dialogue. (250 words).

Topic B : You're Patrick Blackett and you're meeting Winston Churchill. You have many ideas that could help Churchill find the right strategy to make all the British soldiers come home instead of remaining stuck in their submarines near Calais. Imagine. (250 words).