

BIT Quiz2

姓名： [填空题]

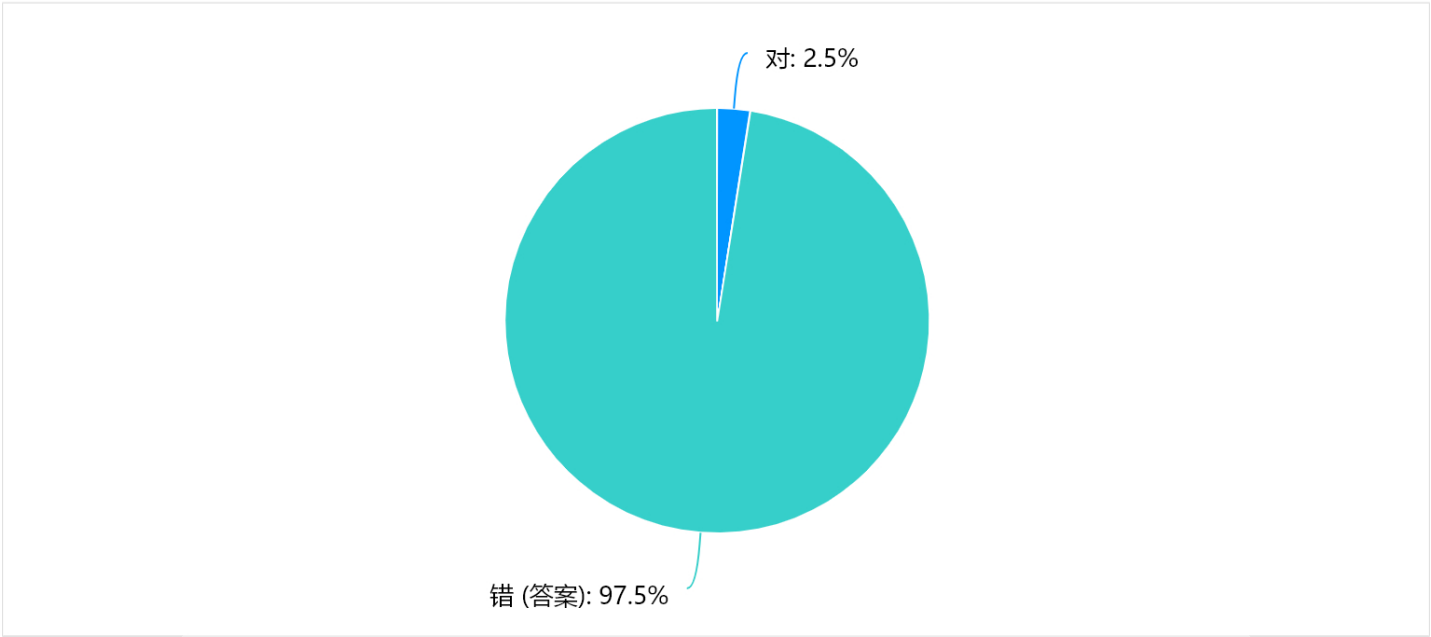
学号： [填空题]

第1题： Total x-ray attenuation = photoelectric absorption

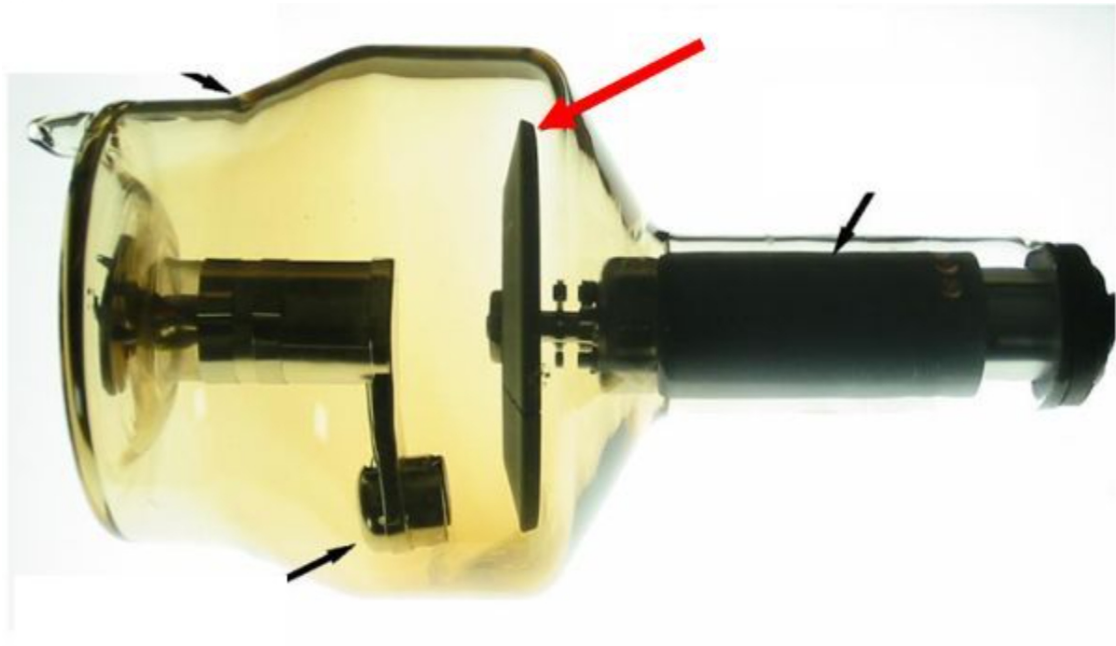
[单选题]

正确率： 97.5%

选项	小计	比例
对	3	2.5%
错 (答案)	117	97.5%



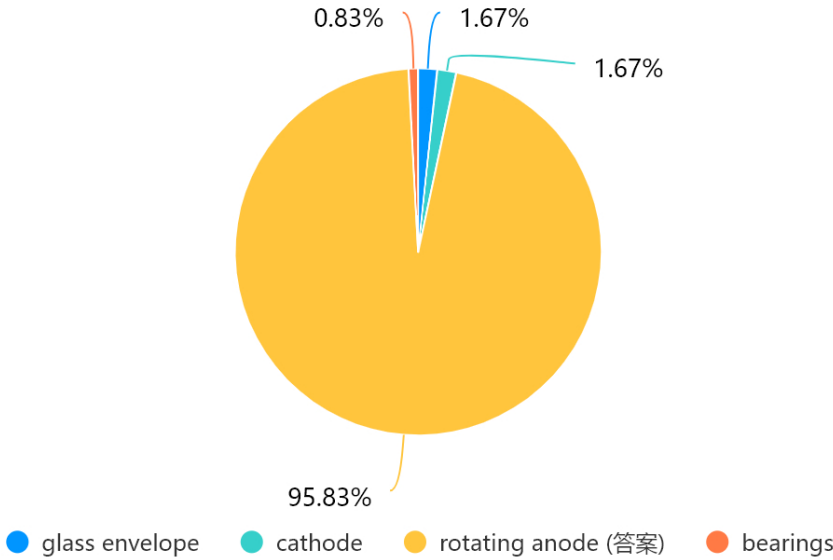
第2题： The red arrow in the picture points to which component of the X-ray tube?



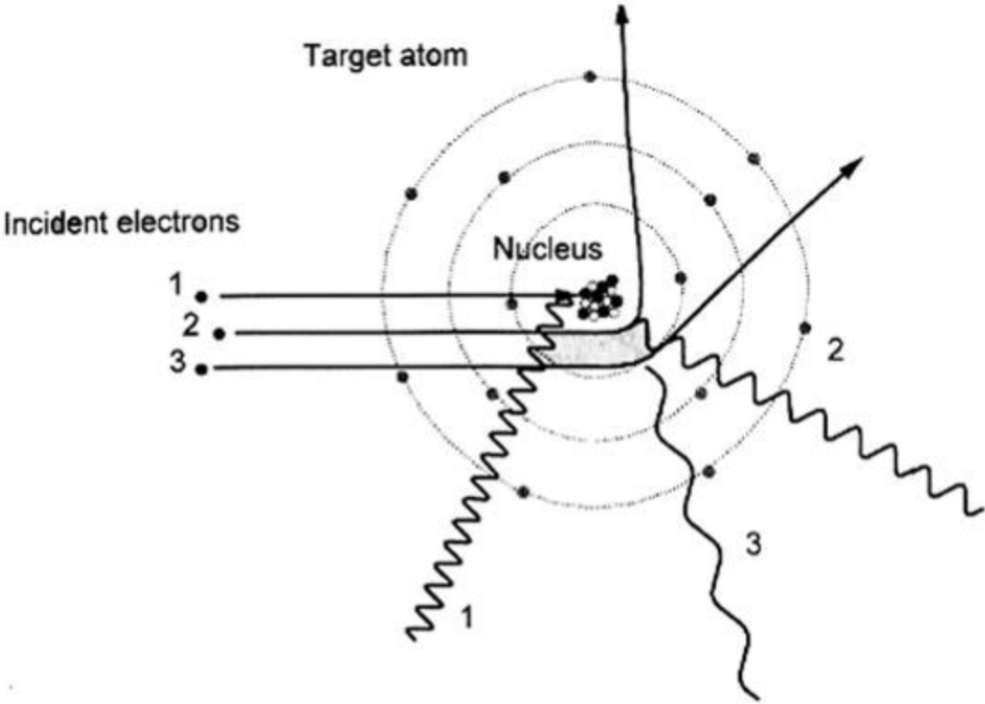
[单选题]

正确率： 95.83%

选项	小计	比例
glass envelope	2	1.67%
cathode	2	1.67%
rotating anode (答案)	115	95.83%
bearings	1	0.83%



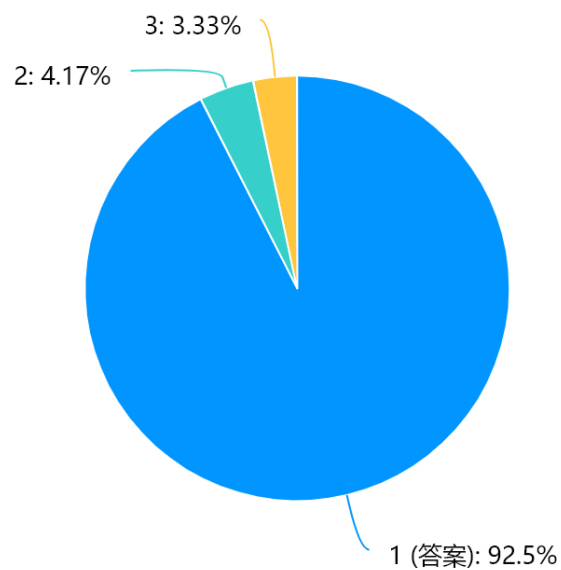
第3题: Which one produces the highest energy of Bremsstrahlung radiation in the diagram?



[单选题]

正确率: 92.5%

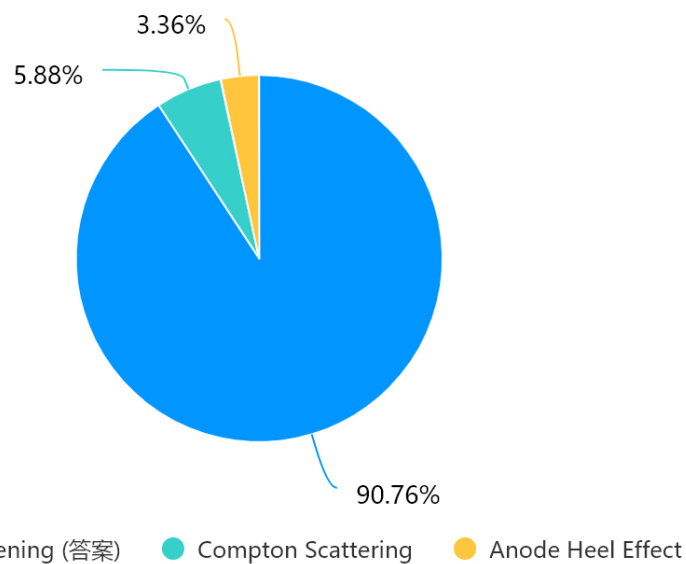
选项	小计	比例
1 (答案)	111	92.5%
2	5	4.17%
3	4	3.33%



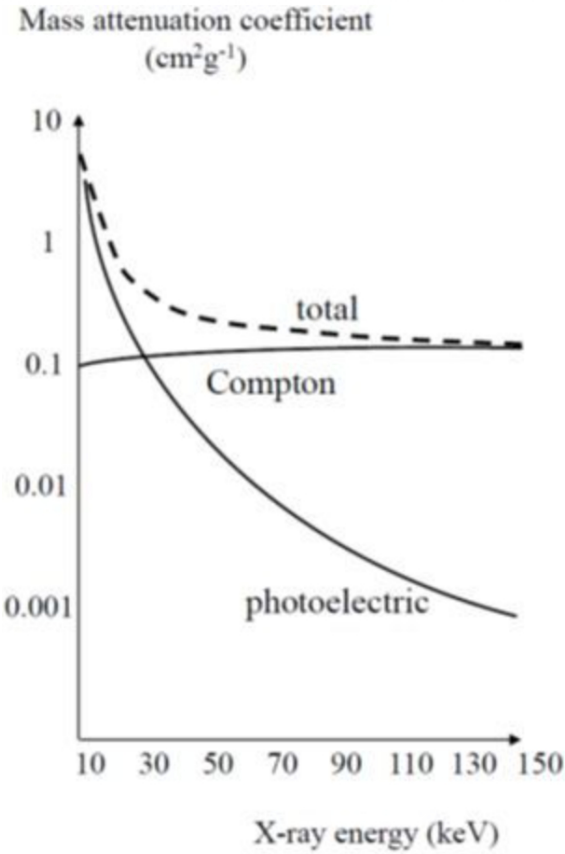
第4题： When X-rays pass through the body, the average energy of the X-rays increases. What effect is this? [单选题]

正确率： 90.76%

选项	小计	比例
Beam Hardening (答案)	108	90.76%
Compton Scattering	7	5.88%
Anode Heel Effect	4	3.36%



第5题： Which effect is dominant in the total attenuation coefficient when the X-ray is at 90 keV?



[单选题]

正确率： 88.24%

选项	小计	比例
Photoelectric absorption	14	11.76%
Compton scattering (答案)	105	88.24%

