

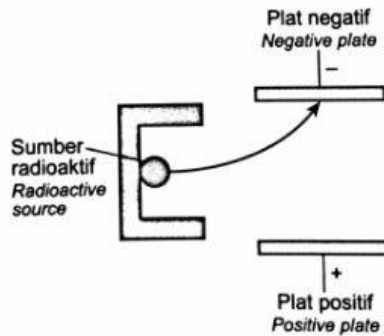
EXERCISE 8.3

1. What is meant by ionising radiation?

Electromagnetic radiation that does not have enough energy to ionise atom or molecule

Electromagnetic radiation that has sufficient energy to carry out atomic or molecules ionising process

2. The diagram below shows the effect of the electric field on the radiation from radioactive sources.



(a) What is the radiation?

(b) Is the radiation you specify in (a) can penetrate aluminium plate?

3. Classify the radiations to natural and man-made ionising radiation sources.

Outer Earth source

Direct radiation

Radioactive pollution

Solar radiation

Cosmic radiation

Radiation of substances from body

Radon

NATURAL SOURCES	MAN-MADE SOURCES
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4. What is the normal level of background radiation dose ?

< 0.2 $\mu\text{Sv} / \text{h}$

> 0.2 $\mu\text{Sv} / \text{h}$