



The Science of Radiation Protection

SRP's Autumn 2018 Quiz

*Fill in the words missing from these sentences.
You will find the answers on our Information Posters.*

Name:

Email:

Please email this to admin@srp-uk.org by 12th October 2018. If you have all 10 questions correct then your quiz will be put into a lucky dip for a chance to win a prize. Contact details provided will only be used to inform you of the results of this quiz.

Question 1

The basic unit of radioactivity is the _____ and is 1 disintegration per second.

Question 2

The radiation dose from a typical dental X-ray is _____ mSv.

Question 3

We can reduce the risk from radiation exposure using time, _____ and shielding.

Question 4

_____ is a colourless, odourless radioactive gas. It is formed by the radioactive decay of the small amounts of uranium and thorium that occur naturally in rocks and soils.

Question 5

_____ - _____ is the time taken for half the atoms to decay and it is always the same for a specific radioisotope.

Question 6

There is about 4 kBq of naturally occurring _____-40 in our bodies.

Question 7

After an alpha or beta decay, the nucleus is often in an excited state and releases energy in the form of _____.

Question 8

Radiation can damage _____ and tissues in the body.

Question 9

The _____ (or antielectron) is the antimatter counterpart of the electron.

Question 10

The Society for Radiological _____ is a society for people who help make using radiation safe.