



NUCLEAR SCIENCE FIND-A-WORD

Q W D C Y L O M U I L E H F B E D A H J M L B M C R
 E M C P I E N O I Z C E W C V M E A N O R T I S O P
 R E A S S D V M U T A U J S F S E L E M E N T E B T
 U T E H C O Y O C V S E R S C A N C J O U P U E A N
 M A Y X R E P R Y A Q M K L P I Y E S V B I R D L E
 U S C N O W A A C F E O L E G B E L R G P U N I T J
 N T T E C H N O L O G Y Y I M U I N O T U L P A P M
 E A E L O R F B O A L O K J N F C X T A O L E T R V
 D B C E D E D T T P I G A M M A P E A I O D I N E U
 B L H C I A W H R P A Q O M E V S F R S F H N R C P
 Y E N T L M U O O A E L U L O Y N A E P R I W E J I
 L F E R E S T T N E U T R O N S T O N B F W C H U F
 O S T O U O K T M U O S A T F E A E E P L O U N B E
 M E I N N R A Y U B H K N L B A C K G R O U N D G R
 A R U S P R M U I D I R I U O R G P C I K M M C Z M
 D I M J E K E L C W Q Z U C B N G T Y K L E U I K I
 E T S S I T R N E I C S M I S C I E N T I F I C B U
 A C V R T N I W L P B A F R G I D U F J I P N Z Q M
 E S P K E T C E R J R N A C B G C B N H T A U S U I
 T Y S V K M I O D I N E E L P L X V B N E H T Y E P
 U N I O L P U R E Z C I L D E U T E R I U M P J T M
 Y R A F R I M C A E R Y N A P O G T D C H P E A E N
 P O L O N I U M I N F O R A D I U M D C N T N G S K
 A C Y X F R L O G J B N C D E W N P Y U G D E S T R
 G A F W I S T R A Y L I A R O T A R E L E C C A I U
 D E G E R O C C F E Z S P O H W I F V M M J H D T L

QUESTIONS

1. What is the name of Australia's new research reactor?
2. Apart from a nuclear reactor where else are nuclear medicines made?
- 3-5. What are the three particles that make up most atoms?
6. _____₂₃₅ is an isotope that undergoes fission inside a reactor.
7. If you have a part of your body analysed by a Gamma camera, you are said to have undergone a nuclear _____?
8. What is the name of the most common nuclear medicine supplied?
9. A radioactive element discovered by Marie Curie?
10. Radiation that is found all around us is called?
11. _____ water is a special type of water used in reactors.
12. _____ is another very heavy metal used in reactors.
13. _____₁₃₁ is made by ANSTO to detect & help treat people with thyroid cancer.
14. What name is given to a substance that cannot be chemically purified any further?
15. An alpha particle eventually changes to what?
16. What particle is named after the second letter of the Greek alphabet?
17. _____ rays can be stopped by sheets of lead.
18. When a _____ collides with an electron, they are both annihilated to produce two gamma waves.
19. _____₁₉₂ is an isotope used to detect faults within aircraft engines.
20. _____₆₀ is used to sterilise food and fruit fly pupae.
21. Technetium 99m results from the decay of _____₉₉.
22. The 'm' at the end of Technetium 99m stands for?
23. What actinide comes before Plutonium?
24. What radioactive element is used in smoke detectors?
25. What element was named after the first physicist to demonstrate nuclear fission?
26. Who was the only woman to win two Nobel Prizes in science (for Physics in 1903 and Chemistry in 1911)? (Hint: an element is also named after her)
27. Name another element discovered by Marie Curie which she named after her native country?
28. What isotope of Hydrogen is present in heavy water?
29. Fuel in a reactor is located in the _____?

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