

14. How do nucleons hold together?

15. What are the three forms of radiation that can come from a naturally radioactive nuclei?

16. Explain each of the following:

Alpha particle

Beta particle

Gamma rays

17.

a. List two subatomic particles that have an infinite lifetime.

b. List two subatomic particles that have a charge the same as the neutron.

c. List two subatomic particles that have a larger mass than a proton.

18. What was the first antiparticle discovered? Who discovered it? When was it first discovered?

19. Who discovered the electron? When was it discovered?

20. Who discovered the proton? When was it discovered?