1. Which of the following is caused directly by a strong force?
2. Beta decay
3. The existence of atomic nuclei
4. The tides on the earth
5. Electricity flowing through a wire
6. How do we see “quarks” in a detector?
7. Not at all
8. By their characteristic spiral trajectory
9. Via jets of “hadrons” they generate
10. As two individual straight tracks in opposite directions
11. Particles that explain about the mass of the matter are :
12. Higgs boson
13. Protons
14. Leptons
15. Neutrons
16. The particles carrying the strong force are:
17. Photons
18. Gluons
19. Z- or W-bosons
20. None of the above
21. The weakest of the four fundamental forces of nature is :
22. Gravity
23. Electromagnetism
24. Strong nuclear
25. Weak nuclear
26. What are bosons?
27. Elementary crew members in merchant vessels
28. Term in particle physics to describe matter
29. Subatomic particles that carry forces
30. An electron switch used in nano-circuits

Answers

1. B
2. C
3. A
4. B
5. A
6. B