

## **Quiz 1 - Answers**

**By William Reville, University College, Cork.**

1. 10-20 billion years;
2. The Big Bang Theory;
3. Hydrogen;
4. A dying star;
5. A comet;
6. Galileo Galilei (1564-1642);
7. Rene [accent over second e] Descartes (1596-1650);
8. Isaac Newton (1643-1727);
9. George Boole (1815-1864);
10. 5 billion years ago;
11. Three and a half billion years ago;
12. Ozone layer;
13. Alfred Russel Wallace (1823-1913);
14. Energy;
15. (a) Disorder, (b) Entropy;
16. Pre-formed life was seeded on Earth;
17. Louis Pasteur (1822-1895);
18. Nicolaus Copernicus (1473-1543);
19. 92 elements;
20. (a) Hydrogen, (b) Uranium;

21. Carbon;
22. Water;
23. DNA;
24. 75 years;
25. 50 years;
26. The Beagle;
27. On the Origin of Species;
28. Thomas Huxley (1825-1895);
29. Creationism;
30. Speed of light;
31. The General Theory of Relativity;
32. Albert Einstein (1879-1955);
33. Naturally occurring radioactive gas;
34. (b) Heart/lung efficiency;
35. The distance light travels in 1 year;
36. Ice is less dense than water;
37. Penguins are confined to South Pole, polar bears to North Pole;
38. Wilhelm Roentgen (1845-1923);
39. Henri Becquerel (1852-1908);
40. Ernest T.S. Walton (1903-1995);
41. Gregor Mendel (1822-1884);
42. (a) Jupiter, (b) Pluto;
43. (a) Mercury, (b) Pluto;

44. Nuclear Fusion;
45. 5 billion years.
46. Nearly three quarters;
47. Nitrogen;
48. The sun;
49. Carbon dioxide;
50. Calder Hall (on Sellafield site).