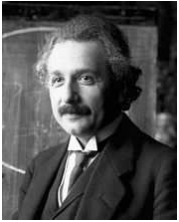


## Cast of characters



Ernest Rutherford 1871 - 1937



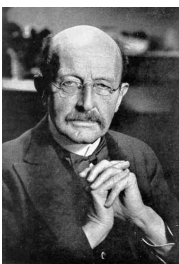
Albert Einstein 1879 - 1955



J. J. Thomson 1856 - 1940



James Chadwick 1891 - 1974



Max Planck 1858 - 1947



James Clerk Maxwell 1831 - 1879



Niels Bohr 1885 - 1962



Wolfgang Ernst Pauli 1900 - 1958



Werner Heisenberg 1901 - 1976



Erwin Schrödinger 1887 - 1961

*From the cast of characters write the name of the scientist who made the following contribution to the understanding of the atom.*

1. This man discovered the neutron in 1932.
2. This man interpreted the photoelectric effect by describing light as particles of energy.
3. This man was able to explain the atomic emission spectra of hydrogen.
4. This man was able to provide an explanation for black body radiation - and a constant is named after him.
5. This man explained electron spin.
6. This man did a famous experiment with gold foil and proposed a nuclear atom.
7. This man proposed a 'plum-pudding' atom where negative electrons were like raisins in a positive mass.
8. This man mathematically described the relationship between magnetism and electricity.
9. This man showed that any attempt to measure the position of an electron disturbs it too much for it to be measured exactly.
10. This man proposed wave equations describing the probability of finding an electron in a specific region of space.