

Isotopes or Different Elements?

In each of the following statements there are two pairs of elements, with the information given decide if they are **Different Elements** or **Isotopes**.

1. Element D has 6 protons and 7 neutrons.
Element F has 7 protons and 7 neutrons.

2. Element J has 27 protons and 32 neutrons.
Element L has 27 protons and 33 neutrons.

3. Element X has 17 protons and 18 neutrons.
Element Y has 18 protons and 17 neutrons.

4. Element Q has 56 protons and 81 neutrons.
Element R has 56 protons and 82 neutrons.

5. Element T Has an atomic number of 20 and an
atomic mass of 40.
Element Z has an atomic number of 20 and an
atomic mass of 41.

6. Element W has 8 protons and 8 neutrons.
Element V has 7 protons and 8 neutrons.

7. Element P has an atomic number of 92 and
an atomic mass of 238.
Element S has 92 protons and 143 neutrons.
