

1.37e20 atoms of U-234

5.

a. 55.5 moles H20

b. H-1 atoms - 6.68e25

H-2 atoms - 9.69e20

6.

a. 808 g of U-235

b. 5.49e26 atoms/cc atom density of U-235

2.20e27 atoms/cc atom density of U-238

7.

3.1608578889940397% U-235 by weight

8.

The diameter of a Uranium nucleus is 6.8e-15 m larger than an Iron nucleus and also 1.85 times larger.

Earth's new mass would be 2.47e38 kg