

Reading the periodic table

This task is about using part of the periodic table to answer questions.

Use the information from this section of the Periodic Table to answer the following questions.

a) Select the element whose atom has the greatest mass.

Group 10	Group 11	Group 12
59 Ni Nickel 28	64 Cu Copper 29	65 Zn Zinc 30
106 Pd Palladium 46	108 Ag Silver 47	112 Cd Cadmium 48
195 Pt Platinum 78	197 Au Gold 79	201 Hg Mercury 80

b) Select the metal which has atoms that are almost twice the mass of nickel atoms.

Group 10	Group 11	Group 12
59 Ni Nickel 28	64 Cu Copper 29	65 Zn Zinc 30
106 Pd Palladium 46	108 Ag Silver 47	112 Cd Cadmium 48
195 Pt Platinum 78	197 Au Gold 79	201 Hg Mercury 80

c) How many electrons does one atom of silver have?

d) Cobalt is an element in Group 9, and is in the same row as nickel, copper, and zinc.

What is cobalt's atomic number?