

Protons, Neutrons & Electrons

Name: _____

1) How many protons and electrons are present in a tungsten atom?

9) How many protons, neutrons and electrons are present in ${}_{34}^{76}\text{Se}^{-2}$?

2) How many protons and electrons are present in a silicon atom?

10) How many protons, neutrons and electrons are present in ${}_{76}^{190}\text{Os}^{+3}$?

3) What is the name of the element that has atoms that contain 63 protons?

11) How many protons, neutrons and electrons are present in ${}_{117}^{294}\text{Ts}^{-1}$?

4) What is the name of the element that has atoms that contain 92 protons?

12) Write the complete chemical symbol for the ion with 42 electrons, 44 protons and 58 neutrons.

5) Write the chemical symbol and charge for the ion with 86 electrons and 88 protons.

13) Write the complete chemical symbol for the ion with 59 protons, 82 neutrons and 55 electrons.

6) Write the chemical symbol and charge for the ion with 17 protons and 18 electrons.

14) Write the complete chemical symbol for the ion with 18 electrons, 22 neutrons and 19 protons.

7) Write the chemical symbol and charge for the ion with 36 electrons and 42 protons.

8) How many protons, neutrons and electrons are present in ${}_{79}^{194}\text{Au}^{+1}$?

15) Write the complete chemical symbol for the ion with 115 neutrons, 78 protons and 74 electrons.

Protons, Neutrons & Electrons

Name: _____

1) How many protons and electrons are present in a neodymium atom?

9) How many protons, neutrons and electrons are present in ${}^3_1\text{H}^{+1}$?

2) How many protons and electrons are present in a lead atom?

10) How many protons, neutrons and electrons are present in ${}^{195}_{77}\text{Ir}^{+4}$?

3) What is the name of the element that has atoms that contain 56 protons?

11) How many protons, neutrons and electrons are present in ${}^{14}_7\text{N}^{-3}$?

4) What is the name of the element that has atoms that contain 102 protons?

12) Write the complete chemical symbol for the ion with 55 protons, 75 neutrons and 54 electrons.

5) Write the chemical symbol and charge for the ion with 49 protons and 45 electrons.

13) Write the complete chemical symbol for the ion with 9 protons, 11 neutrons and 10 electrons.

6) Write the chemical symbol and charge for the ion with 35 protons and 36 electrons.

14) Write the complete chemical symbol for the ion with 54 electrons, 76 neutrons and 52 protons.

7) Write the chemical symbol and charge for the ion with 69 protons and 71 electrons.

8) How many protons, neutrons and electrons are present in ${}^{65}_{29}\text{Cu}^{+2}$?

15) Write the complete chemical symbol for the ion with 122 neutrons, 80 protons and 78 electrons.