Name That Element

Apprentice Difficulty Level: Question Group 1 Question 1

I am an alkali metal located in the second period of the periodic table. Who am I? Argon (Ar) Beryllium (Be) Calcium (Ca) Lithium (Li) Magnesium (Mg) Neon (Ne) Sodium (Na) Titanium (Ti)

Question 2

I am an alkali metal located in the third period of the periodic table. Who am I? Argon (Ar) Calcium (Ca) Beryllium (Be) Lithium (Li) Magnesium (Mg) Neon (Ne) Sodium (Na) Titanium (Ti)

Question Group 2

Question 3 I am the halogen located in the second period of the periodic table. Who am I? Argon (Ar) Beryllium (Be) Chlorine (Cl) Fluorine (F) Magnesium (Mg) Neon (Ne) Oxygen (O) Sulfur (S) Titanium (Ti)

Question 4

I am the halogen located in the fifth period of the periodic table. Who am I? Astatine (At) Iodine (I) Polonium (Po) Radon (Rn) Silver (Ag) Tellurium (Te) Vanadium (V) Xenon (Xe)

Question Group 3 Question 5

I am the least massive of all the alkaline earth metals. Who am I? Aluminum (Al) Beryllium (Be) Fluorine (F) Francium (Fr) Hydrogen (H) Lithium (Li) Radium (Ra) Scandium (Sc)

Question 6

I am an alkaline earth metal. You will find me in the same period as the Lanthanide elements. Who am I? Astatine (At) Barium (Ba) Cesium (Cs) Francium (Fr) Lanthanum (La) Lutetium (Lu) Radium (Ra) Thallium (TI)

Question Group 7 Question 7 I am a noble gas. You won't find a member in my family that is lighter than me. Who am I? Beryllium (Be) Boron (B) Fluorine (F) Helium (He) Hydrogen (H) Lithium (Li) Oxygen (O) Radon (Rn) Scandium (Sc)

Question 8

I am a noble gas. I can be found in the same period as the lightest of all transition metals. Who am I? Argon (Ar) Bromine (Br) Gallium (Ga) Iodine (I) Krypton (Kr) Potassium (K) Scandium (Sc) Xenon (Xe)

Master Difficulty Level Question Group 5 Question 9 Of all the Group 13 metals, I am the one with the least mass. Who am I? Aluminum (Al) Boron (B) Chlorine (Cl) Fluorine (F) Gallium (Ga) Oxygen (O) Thallium (Tl) Zinc (Zn)

Question 10

I am the only non-metal in Group 14. Who am I?

Carbon (C) Germanium (Ge) Lead (Pb) Nitrogen (N) Phosphorus Silicon (Si) Tin (Sn)

Question Group 6 Question 11

I am the least massive metalloid of period 4. Who am I? Antimony (Sb) Arsenic (As) Gallium (Ga) Germanium (Ge) Scandium (Sc) Selenium (Se) Tin (Sn) Yttrium (Y)

Question 12

I am the least massive metalloid of period 5. Who am I? Antimony (Sb) Bismuth (Bi) Germanium (Ge) Lead (Pb) Niobium (Nb) Polonium (Po) Tin (Sn) Vanadium (V)

Question Group 7

Question 13 I am the transition metal that has four more protons than the alkali metal found in period 4. Who am I? Chromium (Cr) Dubnium (Db) Manganese (Mn) Rutherfordium (Rf) Scandium (Sc) Thorium (Th) Titanium (Ti) Uranium (U) Vanadium (V)

Question 14

I am the transition metal that has five more protons than the halogen found in period 3. Who am I? Cerium (Ce) Chromium (Cr) Hafnium (Hf) Scandium (Sc) Tantalum (Ta) Titanium (Ti) Tungsten (W) Vanadium (V) Yttrium (Y) Zirconium (Zr)

Question Group 8 Question 15

I am a main group or representative element. I am located in the third period. I am a metalloid. Who am I? Aluminum (Al) Antimony (Sb) Arsenic (As) Calcium (Ca) Germanium (Ge) Phosphorus (P) Magnesium (Mg) Scandium (Sc) Silicon (Si)

Question 16

I am a main group or representative element. I am located in the second period. I am a metalloid. Who am I? Beryllium (Be) Boron (B) Carbon (C) Magnesium (Mg) Nitrogen (N) Silicon (Si) Titanium (Ti) Yttirum (Y) Zirconium (Zr)

Question Group 9 Question 17

Compared to the other elements in my family, I am the only halogen that is a liquid at room temperature. Who am I? Astatine (As) Bromine (Br) Chlorine (Cl) Iodine (I) Krypton (Kr) Mercury (Hg) Xenon (Xe)

Question 18

I am a halogen. I am a gas at room temperature. And of those halogens that are gases, I am the heaviest of the two. Who am I?

Astatine (As) Bromine (Br) Chlorine (Cl) Fluorine (F) Iodine (I) Nitrogen (N) Oxygen (O) Radon (Rn) Xenon (Xe)

Question Group 10 Question 19 I am a fourth period transition metal. And when you look at my mass (instead of my atomic number), you would expect me to be located one element to the left. Who am I? Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Manganese (Mn) Nickel (Ni) Vanadium (V)

Question 20

Zinc (Zn)

I'm definitely not a halogen. But if all you knew about me was my atomic mass (not my atomic number or properties), then you might expect me to be located one element over in the halogen family. Who am I? Argon (Ar) Krypton (Kr) Polonium (Po) Radon (Rn) Selenium (Se) Sulfur (S) Tellurium (Te) Xenon (Xe)

Question Group 11 Question 21

I have five less protons than the least massive metalloid in the fourth period. Who am I? Chlorine (Cl) Cobalt (Co) Copper (Cu) Gallium (Ga) Iron (Fe) Nickel (Ni) Phosphorus (P) Sulfur (S)

Question 22

I have five more protons than the heaviest metalloid in the fourth period. Who am I? Barium (Ba)

Bromine (Br) Cesium (Cs) Iodine (I) Niobium (Nb) Rubidium (Rb) Selenium (Se) Strontium (Sr) Yttrium (Y) Zirconium (Zr)

Question Group 12 Question 23

I am a Group 15 element. I am a gas at room temperature. And I am most commonly found as a diatomic molecule. Who am I?

Antimony (Sb) Arsenic (As) Astatine (At) Bismuth (Bi) Bromine (Br) Chlorine (Cl) Nitrogen (N) Oxygen (O) Phosphorus (P)

Question 24

I am a Group 16 element. I am a gas at room temperature. And I am most commonly found as a diatomic molecule. Who am I?

Bismuth (Bi) Bromine (Br) Chlorine (Cl) Nitrogen (N) Oxygen (O) Polonium (Po) Selenium (Po) Selenium (Se) Sulfur (S) Tellurium (Te)