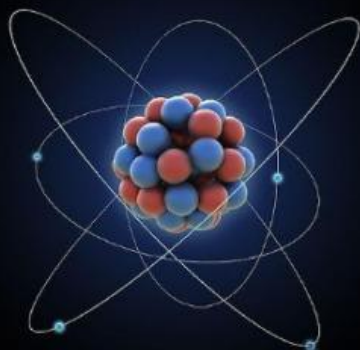


The Atom



<https://www.thescientificteen.org/post/the-atom>

Match the word with the translation.

atom

proton

neutron

протон

атом

водород

hydrogen

carbon

electron

заряд

нейтрон

кислород

oxygen

nucleus

charge

ядро

электрон

углерод

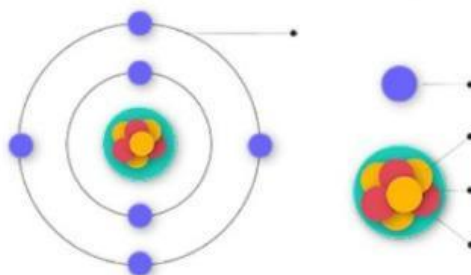
Read the article.



Listen and read.



Write down the names of the parts of an atom.



Answer the questions.

1. What is the smallest particle that makes up everything around us?

- a) molecule
- b) atom
- c) element
- d) proton

2. How many different types of atoms are there in the world?

- a) around 50
- b) around 92
- c) around 100
- d) around 150

3. Which of these are the three particles that make up an atom?

- a) protons, neutrons, and molecules
- b) electrons, neutrons, and ions
- c) protons, neutrons, and electrons
- d) atoms, molecules, and compounds

4. What does the atomic number tell us about an atom?

- a) the number of neutrons in the nucleus
- b) the number of electrons in the atom
- c) the number of protons in the nucleus
- d) the sum of protons and neutrons in the nucleus

True ☒ or False ☒ ?

There are only a few types of atoms, not many.

☒ ☒

Atoms can combine to form molecules.

☒ ☒

Atoms consist of four particles: protons, neutrons, electrons, and photons.

☒ ☒

The atomic number is always equal to the number of electrons in an atom.

☒ ☒

Periodic Table of the Elements

1 IA	2 IIA																	18 VIIIA
1 H	2 He																	18 VIIIA
3 Li	4 Be																	10 Ne
11 Na	12 Mg	13 Al	14 Si	15 P	16 S	17 Cl	18 Ar											18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe	54 Xe
55 Cs	56 Ba	57-71 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn	86 Rn
87 Fr	88 Ra	89-103 Ac	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo	118 Uuo
6 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu				6 Lu
7 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr				7 Lr

Look up the periodic table. What is the Z number of Gold (Au)?
What is the name of the element with the Z number of 3?