Question 1: (3p)

• Fill the gaps in the next paragraph

The atom is composed of aA..... and one or moreB....... TheA..... is made of one or moreC.... and typically a similar number ofA..... . Protons and neutrons are calledD.... More than 99.94% of an atom's mass is in the nucleus. The protons have aE...electric charge, theB.... have a negative electric charge, and theF.... have no electric charge.

The electrons of an atom are attracted to the protons in an atomic nucleus by thisG..... force The protons andF.... in the nucleus are attracted to each other by a different force, theI..... force_which is usually stronger than the electromagnetic force repelling the positively charged protons from one another.

A nucleus

D. nucleons

G. electromagnetic

B. electrons

E. positive

H. nuclear

C. protons

F. neutrons

- What is the constituents of nucleus ? protons + neutrons
- What is the constituents of Atom? electrons + nucleus

Question 2: (4p) Translate following words into Arabic language

العدد الدري atomic number

electron configurations التشكيل الالكتروني

الخصانص الكيميانية chemical properties

تقريبا Approximately

ترتیب Arrangement

الجدول الدوري periodic table

chemical elements العناصر الكيميانية

کمی Quantitative

احتراق Combustion

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تحویل Transmutation

metals معادن

طور Period

سلوك Behavior

تظرياTheoretical

أساردة ion

علاقة Relationship

Question 3: (2.5 p) Connect by arrow between main areas of chemistry and its corrects definitions

1. Organic Chemistry 2. Inorganic Chemistry 3. Analytical Chemistry 4. Physical Chemistry 5. Biochemistry Chemistry

A. Study compounds that do not include carbon

B. applies ideas of math and physics to chemistry

C. Study compounds of carbon (some exceptions CO₂, CO considered inorganic)

D. chemistry of living things (from bacteria to

Question 4: (3 p) Write plural form for the following words

party/parties chef/chefs

monkey/monkeys mouse/mice

wish/wishes woman/women wife wives

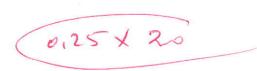
class/classes sheep/sheep man men

0,25 v1)

University/universities

company companies

Question 5: (5 p)Distribute these words according to the following table:



Countable nouns	<u>Uncountable nouns</u>
Exercise; Window; Child; Atom; policeman; Scientist; laboratory; metal; computer; Person; bottle; Glass; compound	Water; milk; Butter; hair; money; Oil; Glue

Question 6: (2.5p) Put the verbs in brackets into the correct tense:

- 1- He usually works until 4 p.m. (work)
- 2- Did you meet Paul yesterday? (you / meet)
- 3- The baby doesn't sleep now. (not / sleep)
- 4- What do you do at the moment? (you / do)
- 5- You don't study very much. Or You did not study very much. (not / study)
- 6- Tom lived in London three years ago. (live)
- 7- Peter and his friends go to school by bus always. (go)
- 8- John tidies his room every day. (tidy)
- 9- If I arrive late, I will call you. (call)
- 10- I'm moving house tomorrow, you will come and help me. (come)

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