

برعاية معالي وزير التربية والتعليم  
السيد الأستاذ / محمد عبد اللطيف  
وتوجيهات رئيس الإدارة المركزية لتطوير المناهج

د/ اكرم حسن

اداءات وتقييمات

Science- preparatory stage –  
year 1

الصف الاول الإعدادي

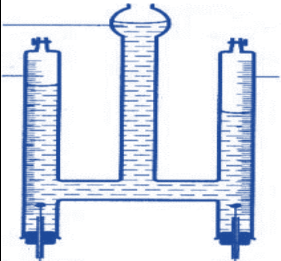
لجنة الإعداد والمراجعة

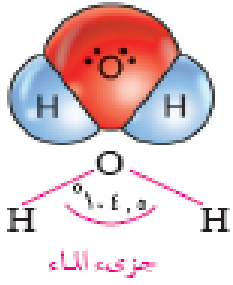
خبراء مكتب تنمية مادة العلوم

اشراف علمي

مستشار العلوم

د/ عزيزه رجب خليفة





## Homework sheet for First Prep First and Second Week

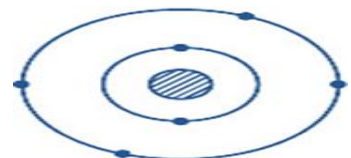
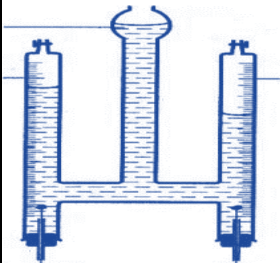
### Write the scientific term:

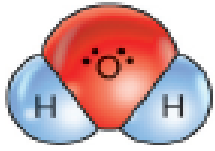
- 1- It is everything that has a mass and occupies a space
- 2- The space that contains protons and neutrons
- 3- The building and structure unit of all matters
- 4- Particles that include protons, neutrons and electrons
- 5- Paths in which electrons revolve around the nucleus
- 6- Chemical compounds used in improving the agricultural productivity
- 7- Number of proton found inside the nucleus of the atom
- 8- The summation of numbers of both protons and neutrons
- 9- The difference between atomic mass and atomic number
- 10- Different forms from elements having the same atomic number and different atomic masses
- 11- Tiny particles can't be subdivided
- 12- A type of fertilizers contains nitrogen, phosphorus and potassium

### Mention the role of the following scientists:

- 1- Dalton
- 2- Rutherford

What are the building units for calcium carbonate material?





جزء الماء

Mention the scientific reason

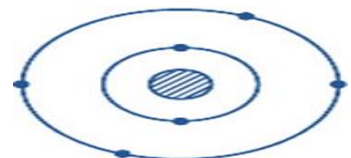
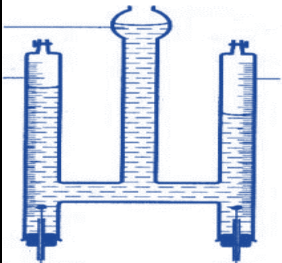
- 1- The nucleus of the atom is positively charged
- 2- The mass of the atom is concentrated in its nucleus
- 3- The difference in energy levels in which electrons are revolved
- 4- Atoms of the same element may have different forms having the same atomic number and different atomic masses
- 5- The atom is electrically neutral
- 6- The element isotopes have the same atomic number and different atomic masses

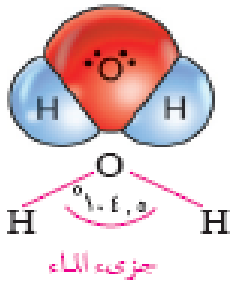
Write the chemical symbols for the following elements:

- 1- Carbon
- 2- Sodium
- 3- Chlorine

Complete the following sentences:

- 1- the outermost energy level for any atom doesn't contain more than ..... electrons
- 2- The second energy level is known as .....
- 3- The number of main energy levels is .....
- 4- The number of electrons necessary to saturate the first four energy levels can be determined by the mathematical relation .....





An element its atomic number is 11 and its atomic mass is 23

Find: 1- number of electrons

2- number of protons

3- number of neutrons

Choose the correct answer:

1- ..... is the first model for the atom on an experimental base

(Bohr - Mendeleev - Moseley - Rutherford)

2- Inside the nucleus of the atom, mostly the number of ..... is more

than or equal the number of protons

(atomic number - electrons - neutrons - particles)

3- ..... element is necessary for strengthen roots of plants

( N - P - K - O )

4- Negatively charged particles that revolve around the nucleus are .....

( protons - electrons - neutrons - particles )

5- An element its outermost energy level (M) contains one electron

So its atomic number is .....

( 3 - 9 - 11 - 19 )

6- The chemical symbol of potassium is .....

( B - Be - K - Al )

