

The second English exam

Organic chemistry is the branch of chemistry that involves the scientific study of organic compounds (compounds that contain covalently bonded carbon atoms). This branch of chemistry primarily deals with the structure and chemical composition of organic compounds, the physical and chemical properties of organic compounds, and the chemical reactions undergone by these compounds. Advancements in the field of organic chemistry have made numerous contributions to human society, such as the synthesis of several drugs, polymers, and other natural products. Synthetic organic chemistry is an important application of organic chemistry that deals with the design and construction of organic compounds for practical purposes.

Organic chemistry is a vast science due to one key property exhibited by the element carbon, which is called carbon catenation. Carbon has the exceptional ability to form very stable bonds with other carbon atoms, giving it the ability to form stable molecules with relatively complex structures. Catenation is the ability of an element to form bonds with an atom of the same kind. Hence, the vastness of organic chemistry can be attributed to this property of carbon.

Adopted and adapted

Questions

Part one:

1/ say whether the following statements are true or false (3pts)

a/ organic chemistry is a trivia branch in chemistry.....

b/ carbon is the asset of organic chemistry.....

c/ synthetic organic chemistry is a trivia application of organic chemistry.....

2/ answer the following questions (2pts)

a/ what is the prime constituent of organic chemistry?

b/ name some achievements which have been done by organic chemistry?

3/ find in the text words that are close/ opposite in meaning to the following words (2pts)

wide=.....

artificial=.....

destruction=/=.....

uneasy=/=.....

a/ organic chemistry is a trivia branch in chemistry.....

b/ carbon is the asset of organic chemistry.....

Part two:

1/ synthetic organic chemistry is a trivia application of organic chemistry.....

2/ answer the following questions (2pts)

1/ translate the following terms (4pts)

- a/ the three states of matter..... / الكتلة /
ب/ melting point..... / الحجم
ج/ molecular motion..... / نقطة الغليان
د/ kinetic energy..... / الضغط

2/ complete the following words (4pts)

a/ the old lady said to the boy, " can you help me carry this?"

.....

b/ the boss said to the employees, " have you gone to the appointment"

.....

c/ she said, " I have listened to the speech".

.....

d/ the mother said to her kid, " where did you go last night?"

.....

3/ fill in the gaps using the right word (5pts)

weak- random- molecules- interactions- space- large

1/ Unlike the solid and liquid state, molecules in the gaseous state show motion. That is the reason; gases take the shape of the container and spread quickly in space. The random motion of in the gaseous state is due to high kinetic energy in molecules. They have intermolecular between them. The intermolecular between gaseous molecules is very They can show all the three types of molecular motion, vibrational, rotational and translational motion.

Average- particles- measurement- molecules

Molecular motion is defined as the movement of constituent or molecules in a certain direction. The molecular motions are affected by heat and temperature. This is because the temperature is the of the kinetic energy of the and represents the motion of molecules.

Best of luck

Correction of the second English exam

(third year students) chemical/ process engineering

Part one:

1/ say whether the following statements are true or false (3pts)

a/ false

b/ true

c/ false

2/ answer the following questions (2pts)

a/ the prime constituent of organic chemistry is carbon

b/ some achievements which have been done by organic chemistry : the synthesis of several drugs, polymers, and other natural products.

3/ find in the text words that are close/ opposite in meaning to the following words (2pts)

wide=vast

artificial=synthetic

destruction=/=construction

uneasy=/=stable

Part two:

1/ translate the following terms (4pts)

a/ the three states of matter → حالات المادة الثلاث

الكتلة → mass

b/ melting point → نقطة الذوبان

الحجم → volume

c/ molecular motion → الحركة الجزيئية

نقطة الغليان → The boiling point.

d/ kinetic energy → الطاقة الحركية

الضغط → pressure

2/ complete the following words (4pts)

a/ the old lady asked the boy if he could you help her carry that.

b/ the boss asked the employees if they had gone to the appointment.

c/ she said that she had listened to the speech.

d/ the mother asked her kid where he had gone the previous night.

3/ fill in the gaps using the right word (5pts)

1/ Weak3- random1- molecules2- interactions4- space5- large6

3 1 2 4 5 6

2/ Average3- particles1- measurement2- molecules4

3 1 2 4