

Unit 1 test

1) Choose the correct answer :

- The number of the well known elements areelement.
a. 116 b. 110 c. 112
- Metals are solids exceptwhich is a liquid.
a. mercury b. magnesium c. sodium
-have 1 , 2 , 3 electrons in their outer electron shells .
a. Metals b. Non metals c. Noble element
- Non metals are bad conductors of electricity except
a. Bromine b. Graphite c. Chlorine
-is an atom gained an electron or more during the chemical reactions.
a. Positive ion b. Negative ion c. Neutral atom

2) Give reason for :

- The covalent bond in oxygen molecule is double covalent bond, while in nitrogen molecule is triple covalent bond.
.....
- Noble gases don't participate in any chemical interactions.
.....
- The chemical equation should be balanced.
.....
- Carbon monoxide has a dangerous impact on the human beings.
.....
- A white powder is formed when a magnesium strip burns in air.
.....

3)Write the chemical formula for the following molecules :

- | | |
|----------------------|-------------------------|
| a- Ammonium chloride | b- Aluminum sulphate |
| | |
| c- Sodium carbonate | d- Iron (ferrous) oxide |
| | |

4)Write the scientific term for each of the following :

- It's the process in which bonds in reactants are broken and bonds in resultants are formed.
- It's a set of symbols and chemical formula representing the reactants and the products molecules in the chemical reaction and the conditions of the reaction.

3. The total amount of reactants masses is equal to the total amount of products masses.
4. Poisonous gases that affect on both the eye and the nervous system. .

Second term tests

Science, 1st prep.

Unit 2 test

1)Complete :

- 1- There are two types of motion which are and
2.increases as we come near to the earth's center .
3. The electric current haseffect .
4. The work done on raising a body distance increases by increasing.....of the body .
5. The electromagnet is used in some machines such asand

2)Give reason for :

1. On the stop of peddling , the bike stops after a short distance .
.....
- 2.The change of the weight of the body from place to another while the mass of the body is constant .
.....
- 3.It is necessary to use the seat belt while driving .
.....
- 4.Machine must be lubricated from time to time .
.....
- 5- Astronauts can't hear each other voices directly in space .
.....

3)Write scientific term :

- 1- An effect attempts to change the object phase from being static to motion or vice versa .
- 2- Materials which are used to reduce friction in mechanical machines .
- 3- It is a property of an object has to resist the change in its phase unless an external force acted on it .
- 4- A force that help in moving and stopping car and bus .
- 5- A Set used to change kinetic energy to electric energy.

4-Compare between mechanical waves and electromagnetic waves:

Mechanical waves	Electromagnetic waves
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4) What is the importance of:

a. Oxygen gas;

.....

b. Water for animals and humans;

.....

c. Volcanoes and Earthquake;

.....

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Second term tests

Science, 1st prep.

Second term test

Question 1: Complete the following statements:

1. The object's weight increases as the distancefrom earth's center.

2. Marble is resulted from..... transformation.

3. The bond in sodium chloride molecule is bond whereas the bond in water molecule is bond.

4. The types of telescopes are and

5. Sedimentary rocks are formed as a result of , and

Question 3: Write the scientific term:

1- A movement repeated regularly on equal intervals of time.

2- A natural solid material that exists in the crust and consists of one mineral or a group of minerals.

3- Masses of the molten materials spread on the sides of a volcano.

4- The number of electrons lost, gained or shared by the atom during a chemical reaction.

5- Breaking out the bonds between the molecules of reactants and formation of new bonds between the molecules of products of the chemical reaction.

Question 3 : Give reasons for:

1- The car passengers are rushed forward when the car stopped suddenly.

.....

2- Astronauts can't hear each other voices directly in space.

.....

3- Astronomers don't measure the distance between stars with kilometers

.....

4- The bond in an oxygen molecule is a double covalent bond .

.....

5- An effervescence takes place when hydrochloric acid is added to a sample of limestone.

.....

Question 4 : Choose the correct answer between brackets :-

- 1- The chemical formula of sodium hydroxide is
(Na_2CO_3 – NaOH – NaCl- HCl)
- 2- The outer layer of the Earth is called
(crust – mantle – inner core – outer core)
- 3- Electromagnet is used in making
(calculator – electric bell – microscope – night vision apparatus)
- 4- Which of the following is considered as a circular motion?
(fan motion – pendulum motion – train motion – sunflower motion)
- 5- Which of the following isn't considered as electromagnetic waves.....?
(infrared rays – visible light – sound waves – ultraviolet rays)