Science revision for primary 6

Task sheet 1

1-Complete the following

1-Heat transfers from the……………..temperature object to the ………………..temperature object

2-The object mass on the moon’s surface ……………….its mass on the earth’s surface

3-………………….conducts heat faster than aluminium and iron

 4-Heat is form of…………………..

5-The medical thermometer scale from…………to……………..

6- -----------------------are found between the vertebrate of vertebral column.

7- The number of spinal nerves is ----------------and the number of cranial nerves is --------------------

8- The neuron consists of two main parts -----------------and -----------------------

9- oxygen is prepared in laboratory from ------------------in presence of --------------

2-What is the main idea of thermometer

**Changing the volume of liquid by changing the temperature** …

3-Choose the correct answer

1-An apple its mass is 100 gram so its weight on the earth’s surface is…………..

(1newton – 100 newton – 1000 newton )

2-From the bad conductors of heat is………………

(wood – aluminium – copper )

3-A tool of measuring weight is…………….

(digital scale – normal scale – spring scale )

4-Muscles are fixed with bones by……………………

(joints – tendons – muscle fibers )

5-Nitrogen is used in the manufacture of……………………

(ozone – ammonia – soda water )

4-Give reason for

1-Plastic is used to make the iron handle

…**Because it is bad conductor of heat**

2-Plastic differ from copper in conducting heat

**Because plastic is bad conductor of heat but copper is good conductor of heat**

3- Yeast is added to dough on making bread

**To produce carbon dioxide that makes the bread porous and tasty**

4- Damage of medulla oblongata causes death

**Because it regulates all involuntary processes as heart beats and the movement of digestive and respiratory systems**

 5- carbon dioxide is used in extinguishing fires

**Because it doesn’t burn and doesn’t help in burning**

6- nitrogen is used in filling car tires.

**Because it keeps constancy in volume when the temperature changes**

5-Write scientific term

1. Materials let heat flows through (……………………….)
2. The force with which a body is attracted to the earth (……………………….)
3. The measuring unit of the mass and it equal one liter (……………………….)
4. Flame is used in cutting and welding metals (………………………..)
5. Gas is used in making stainless steel. (………………………..)
6. An organ in the brain that is responsible for maintain the balance of the body during movement. (…………………………)
7. It protects lungs and heart. (…………………………)
8. Spontaneous autonomic response done by the body to different stimuli

 (………………………….)

6-What would happen

1-We put the medical thermometer in boiling water

**……………………………………………………………………………………………**

2-There is no constriction in the medical thermometer

………………………………………………………………………………………………………………………

3-The mass of an object when it is transferred from earth to moon

**……………………………………………………………………………………………**

4- Your finger gets pricked by plants thorns.

…………………………………………………………………………………………………………………………..

5- There is no oxygen in the atmosphere

……………………………………………………………………………………………………………………………

6- There is no joint in the skeleton

……………………………………………………………………………………………………………………………

7- the ozone layer disappears(decayed) from the atmosphere

……………………………………………………………………………………………………………………………

Task sheet 2

1-Complete the following

1-An object’s weight depends on**…………………**.and …………………………

2-Some usages of good conductors of heat are ………………………..and………………….….

3-The mass is constant and not affected by ………………………………..

4**-** ……………….…and ………………….are from bad conductors of heat

5- ------------------gas contributes in photosynthesis process and -----------------gas is produced from it.

6- The dendrites are connected to neighboring neurons composing the ---------------------------.

2-Mention one function

1. The spring scale………………………………………………………………………..
2. A balance scale…………………………………………………………………………….
3. Medulla oblongata -------------------------------------------------------------
4. Nitrogen ---------------------------------------------------------------------------
5. Ozone layer------------------------------------------------------------------------
6. Oxy acetylene flame-------------------------------------------------------------

3-Put (√) or (x)

1. Water is used in making Celsius thermometer (……)
2. There is a constriction above the bulb in the Celsius thermometer (……)
3. Heat transfers from cold bodies to hot bodies (……)
4. Ozone molecule consists of 2 atoms and its symbol (……..)
5. Hydrogen peroxide is used in preparation of nitrogen in the laboratory(…..).
6. To keep the nervous system healthy , you should increase the intake of stimulants (……..)
7. The spinal cord is responsible for the reflex action of the human body.

(……..)

4-Write the scientific term

1. A device used to measure temperature of liquids
2. A liquid used to sterilize the thermometer
3. The amount of matter that the body contains
4. A tool used to measure the temperature of human body
5. Ligaments tie muscles with bones.
6. The building unit of nervous system
7. The main source of preparing nitrogen gas

5-Give reason for

1-Mercury is used in making thermometer

**Because it is a liquid metal – good conductor of heat – doesn’t stick to the wall of the capillary tube**

2-The gravity on the moon is less than the gravity on the earth

**because the mass of the moon is less than the mass of the earth**

3- Nitrogen is called the azote gas

……………………………………………………………………………………………………………………

4- The cerebellum is responsible for the reflex action

……………………………………………………………………………………………………………………

5- it is important to eat healthy food reach in calcium.

…………………………………………………………………………………………………………………..

6-Choose the correct answer

1. The best metal in conducting heat is…………………

(aluminium – copper – iron )

1. An object its weight is 20 newton on earth , so its mass equals…………..

(2kg – 10kg – 20 kg )

1. A part of the nervous system which responsible for reflex action is called
2. Spinal cord
3. The skull
4. Cerebellum
5. Nitrogen is used in manufacturing of
6. Fertilizers
7. Soft drinks
8. Dry ice
9. The centers of thinking and memory lie in
10. Spinal cord
11. Cerebellum
12. Two cerebral hemispheres
13. Skull joints are………………………
14. Immovable
15. Slightly movable
16. Freely movable

Task sheet 3

1-Put (√) or (x)

1. Aluminum is a bad conductor of heat (……)
2. Mass is the force with which a body is attracted to the earth (……)
3. Ozone molecule consists of two oxygen. (………)
4. The skeleton of lower limb consists of humerus bone , two arms and hand bones. (……….)
5. Carbon dioxide in used in making soft drinks. (………)

2-Complete the following

1. The measuring unit of mass is ……………while weight is measured by………….
2. Cooking pots are made of……………… while handles of cooking pots are made ……………………………
3. The Celsius thermometer is used in……………………..but the medical thermometer is used in…………………………….. …
4. The instrument which used to measure mass is………………while the instrument used to measure weight is ………………..
5. The human skeletal system consists of ………………………and ……………………
6. Nitrogen gas occupies ----------------%
7. The number of cranial nerves in human body is …………………pairs

3-What are the factors affecting weight?

1-……mass of object……………………………

2-………the planet where the object exist

3-……the distance from the center of earth

4-Correct the underlined word

1. The mass of a body on earth’s surface is 6kg ,so its mass on moon is 1 kg
2. From the good conductors ofheat is wood .
3. The weight is constant amount and doesn’t change by changing the place
4. The cerebellum is regulating the involuntary processes of the body.
5. Hydrogen is used to fill car tires.

5-Give reason for

1-The mass of person on earth equals its mass on moon

…**because the mass is fixed amount , it doesn’t change by changing the place**

2- muscles have important role in locomotion

………………………………………………………………………………………………………………………

3-Iron rusting has many problems

………………………………………………………………………………………………………………………

6-Mention one difference between

1-Mass and weight

…**Mass is constant value but Weight is variable**.

 Task sheet 4

1-Write the scientific term

1. An indicator helps to express the state of body
2. The attraction force of earth to bodies

1. Materials that don’t let heat flow through

1. A kind of clothes are used in winter to keep us warm
2. The liquid which is used in making thermometer
3. A gas used in manufacturing of ammonia
4. The branches that extend from the neuron’s body

2-Put (√) or (x)

1-Heat transfers from a cold object to hot object (…….)

2-Cooking pots are made of plastic (……)

3-Body weight on the moon equals ¼ of its weight on earth (……..)

4- Vitamin D in food help to prevent bone disease such as rickets. (……….)

3-Give reason for

1-There is a constriction in the medical thermometer

**To prevent the mercury from returning back to the bulb**

2-We must shake the medical thermometer before use

…**To force the mercury back to the bulb**.

3- Withdrawal of hand quickly when it touches a hot surface

………………………………………………………………………………………………………………………..

4-Air is used in making insulating glass window

……………………………………………………………………………………………………………………….

5-Importance of atmosphere

………………………………………………………………………………………………………………………

4-A mass of a body on the earth’s surface equal 60 kg .calculate

1-its mass on moon**60 kg**

2-its weight on earth

…**W=M x 10**

…**W=60x10 = 600N**.

3-its weight on moon

…**W= 1/6 x 600 = 100 N**

5-Compare between

1-Medical thermometer and Celsius thermometer

|  |  |  |
| --- | --- | --- |
| **P.O.C** | **Medical** | **Celsius** |
| **Use** | **Measures human temperature** | **Measures liquid temperature** |
| **Scale** | **35˚c to 42˚c** | **0˚c to 100˚c** |

2-Bones of upper limbs and lower limbs

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |

3-Cranial nerves and spinal nerves

|  |  |
| --- | --- |
|  |  |
|  |  |

4-Axial skeleton and Appendicular skeleton

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |