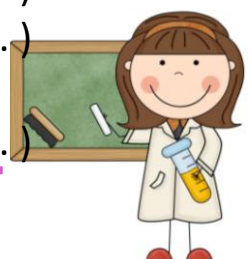


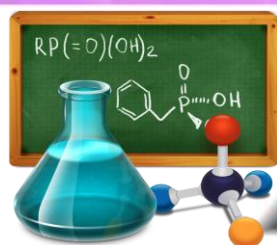
# Science 6<sup>th</sup> - prim

## Questions

### Write the scientific term:-

- 1- The amount of matter in an object. ( ..... )
- 2- The force with which the body is attracted to the earth. ( ..... )
- 3- The measurement unit of mass which is almost equal to a mass of liter of water. ( ..... )
- 4- The measurement unit of weight which is almost equal to a mass 100 grams. ( ..... )
- 5- A device that is used to measure the mass of chemicals in lab. ( ..... )
- 6- A device that is used to measure the weight of an object. ( ..... )
- 7- Materials that allow heat to flow through. ( ..... )
- 8- Materials that don't allow heat to flow through. ( ..... )
- 9- A device is used to measure the temperature of human body. ( ..... )
- 10- A device is used to measure the temperature of liquids. ( ..... )
- 11- The liquid which is used in manufacturing of thermometers. ( ..... )
- 12- A device is used to measure the temperature. ( ..... )
- 13- The degree of hotness or coldness of a body. ( ..... )
- 14- A window which is made by bonding 2 glass sheets & maintaining air between them. ( ..... )
- 15- The fastest metal in conducting heat. ( ..... )
- 16- Increasing the size or getting bigger of metals by heating. ( ..... )





# Science 6<sup>th</sup> prim

- 17- The thermometer which contains constriction. ( ..... )
- 18-A gas molecule's consist of three atoms of oxygen. ( ..... )
- 19-A flame is used in cutting and welding metals. ( ..... )
- 20-A gas in which its preparation we use hydrogen peroxide.  
( ..... )
- 21-An indicator that helps us to express the state of the body from the  
point of hotness and coldness. ( ..... )

## **Problem (1):-**

If an object's mass on earth = 30 kg

Calculate:-

- 1- It's mass on Moon.
- 2- It's weight on earth.
- 3- It's weight on Moon.

## **Problem (2):-**

If your weight on earth = 600 Newton. Calculate your weight on the moon.

## **Problem (3):-**

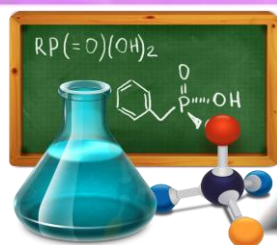
If an object's weight = 20 Newton. Calculate it's mass.

## **Problem (4):-**

If an object's mass = 200 gm. Calculate it's weight on both earth and moon surfaces.





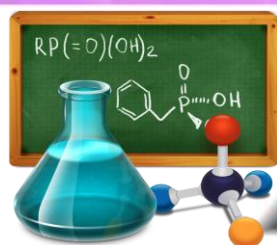


# Science 6<sup>th</sup> - prim

## Complete the following sentences:-

- 1- Mass is measured by using ..... , where as weight is measured by using .....
- 2- If the weight of iron ball is 200 Newton, so it's mass equals ...
- 3- The measuring unit of mass is ..... or ..... where as the measuring unit of weight is .....
- 4- The .....decreases when the distance between an object & the center of the earth increases.
- 5- .....is the force by which a body is attracted to the earth.
- 6- The object's weight depends on ..... , ..... & .....
- 7- Mass is a constant value & not affected by .....
- 8- ..... is the amount of matter in an object.
- 9- .....is the measuring unit of mass & equals to the mass of one paper clip.
- 10- .....is the measuring unit of mass & equals to the mass of one liter of water.
- 11- Newton is the measuring unit of weight which equals .....grams.
- 12- ..... & .....are examples of good conductors of heat.
- 13- ..... , ..... & .....are bad conductors of heat.
- 14- We use .....to sterilize the medical thermometer before using.
- 15- Celsius thermometer is used in measuring ....., whereas the medical thermometer is used in measuring .....
- 16- ..... & .....are used in making handles of cooking pans.
- 17- ..... & .....are some usages of good conductors of heat.





# Science 6<sup>th</sup> - prim

18- The scale of ..... thermometer starts at  $35^{\circ}\text{C}$  and ends at  $42^{\circ}\text{C}$ , while the scale of Celsius thermometer starts at ..... & ends at .....

19- The ..... thermometer is used to measure the water temperature.

20- ..... conducts heat faster than Aluminum.

21- Each degree in the medical thermometer is divided into ..... parts so each part equals ..... degree.

22- Air is ..... conductor of heat.

23- Materials that let heat flow through are called .....

24- Heat is a form of ..... , that transfers from the body of ..... temperature to the body of ..... temperature.

25- The devices that are used to measure temperature are called .....

26- Materials that don't let heat flow through are called .....

27- The scientific principle that is used in making thermometer is that liquids ..... by heating & ..... by cooling.

28- Freezing point of water is ..... , while its boiling point is .....

29- There is a constriction in ..... thermometer.

30- The temperature of a healthy human body is .....

31- Heat is used in industry and preparing of .....

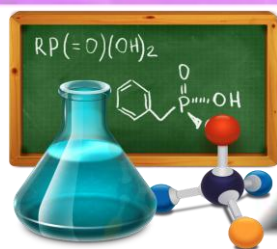
32- Oxygen gas is produced plentifully from ..... during ..... process

33- From uses of oxygen gas are ..... and .....

34- Oxygen gas of the atmosphere is consumed during ..... and ..... processes.





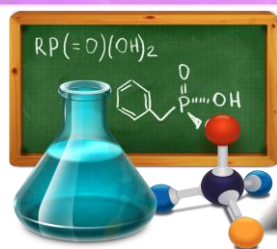


# Science 6<sup>th</sup> - prim

## Give reason for:-

- 1- The weight of an object is affected by its mass.
- 2- There is a relation between mass & motion.
- 3- The weight of a person on the earth is larger than its weight on moon.
- 4- An object's weight is affected by the distance being away from the center of the earth.
- 5- The moon's gravity is less than earth's gravity.
- 6- Double glassed windows are used in cold countries.
- 7- Cooking pots are made of aluminum.
- 8- We wear wool clothes in winter.
- 9- Spaces are left between railways.
- 10- Mercury is preferred in manufacturing of thermometers.
- 11- The balance scale must be on horizontal stable surface.
- 12- The wire of spring balance expands when a body is hanged to it
- 13- The weight of the body on earth differs from its weight on another planet.
- 14- The copper conducts heat faster than aluminum.
- 15- In clinical thermometer, there is a constriction above mercury reservoir (bulb).
- 16- The ratio of oxygen is constant in air.
- 17- Ozone gas is very important in nature.
- 18- Oxygen gas does not change the color of red and blue litmus paper.
- 19- Manganese dioxide still without change in quantity and properties during preparation of oxygen.
- 20- Oxygen cylinders are used during mountain climbing.
- 21- Oxygen is collected by down displacement of water.





# Science 6<sup>th</sup> - prim

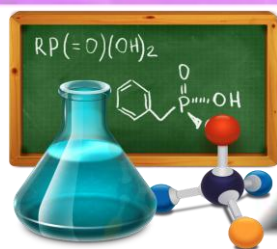
- 22- The medical thermometer must be put in ethyl alcohol before using.
- 23- We must shake the medical thermometer well before using.
- 24- We can't measure the temperature of objects by touching.
- 25- Mercury gives a wide range to measure the temperature.
- 26- The atmosphere has a great importance for the continuity of life.

## Correct the underline words:-

- 1- Weight is the amount of matter in an object.
- 2- All matters have weight whatever their shapes, their place or their physical states.
- 3- The mass of a piece of stone on the earth's surface is smaller than its mass on the moon's surface.
- 4- Gram is the only unit for measuring mass.
- 5- Kilogram equals the mass of one paper clip.
- 6- Gram is used to measure very big masses.
- 7- Ton is suitable for measuring mass of jewellery, while gram is suitable for measuring mass of vegetables.
- 8- Sensitive two arm scale is used to measure big masses as vegetables.
- 9- The reason of object's falling downward earth is mass.
- 10- Mass is the gravitational force by which a body is attracted to the earth.
- 11- The effect of weight is directed towards the upper of the earth.
- 12- On the earth, there is weightlessness, but in space objects have weight.
- 13- Newton is the measuring unit of mass.
- 14- Gram equals the weight of an object whose mass is 100 grams.







## Science 6<sup>th</sup> - prim

15- When the mass of two big oranges equals 500 grams, so their weight equals 6Newton.

16- The weight of any object can be measured by the balance scale.

17- The extension of the wire of the spring scale equals the mass of the hanged object on it.

18- By increasing the mass of the piece of stone, its weight decreases.

19- Weight is inversely proportional to mass.

20- Mass = weight  $\times$  10

21- When the mass of a toy car equals 1 kilogram, so its weight equals 300 Newton.

22- When the weight of a chair on earth's surface is 12 Newton, so its weight on the moon's surface is 6 Newton.

23- When the distance between an object and the center of its planet increases, its weight increases, as the gravitational force increases.

24- Heat is a form of energy that transfers from the object of lower temperature to the higher one.

25- People wear heavy clothes in winter to decrease their feeling with heat.

26- All materials are good conductors of heat.

27- Touching a cup of hot water causes the transfer of heat from your hand to the cup.

28- The measuring devices of temperature are scales.

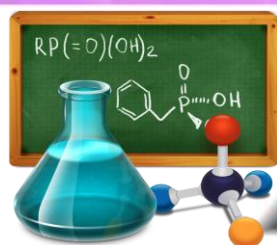
29- The degree of hotness or coldness is heat.

30- Copper, iron and air allow heat to transfer through.

31- Air is a good heat of conductor.

32- Plastic, paper and wood are good conductors of heat.



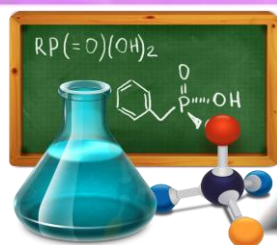


## Science 6<sup>th</sup> - prim

- 33- Copper is bad conductor of heat.
- 34- Aluminium is a poor conductor of heat.
- 35- Water is used in the manufacturing of insulating glass windows as it's an insulator.
- 36- Materials that conduct heat are called heat insulators.
- 37- All materials have the same ability to conduct heat.
- 38- Aluminium conducts heat faster than copper.
- 39- Cooking pots are made of wood.
- 40- Handles of cooking pots are made of copper.
- 41- Wood is a good conductor of heat.
- 42- Good conductors of heat are used in making heavy blankets and woolen clothes.
- 43- We can measure the temperature accurately by touching.
- 44- The idea of making thermometer depends on the expansion and contraction of solids by changing the temperature.
- 45- The medical thermometer has a capillary tube to prevent mercury from going back to the mercury bulb.
- 46- The scale of medical thermometer starts from 0°C to 100°C.
- 47- Each degree in the medical thermometer is divided into 3 parts.
- 48- you shouldn't sterilize the medical thermometer before using.
- 49- The Celsius thermometer is used for measuring the temperature of human being.







# Science 6<sup>th</sup> prim

50- You must not touch a broken thermometer because mercury is hot.

51- The normal temperature of the healthy person is 35°C.

52- The melting point of ice is 100°C

53- The molecule of ozone gas consists of four oxygen atoms.

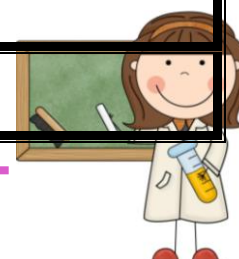
54- Nitrogen peroxide gas is decomposed to water and nitrogen in the presence of manganese dioxide.

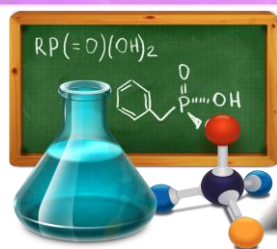
## Comparison between Celsius and medical thermometers:

Point of comparison	Celsius thermometer	Medical thermometer
1- Structure	..... ..... .....	..... ..... .....
2- Range of scale	From ..... to .....	From ..... to .....
3- The used liquid	.....	.....
4- Constriction	.....	.....
5- Usage	.....	.....

## Join from column (A) what is suitable from column (B)

(A)	(B)
1. Gram	a-is measuring unit of weight.
2. Kilo gram	b-is measuring unit of temperature
3. Newton	c- is measuring unit of heavy mass.
4. Celsius	d-is measuring unit of light mass.
	e-measuring unit of volume.





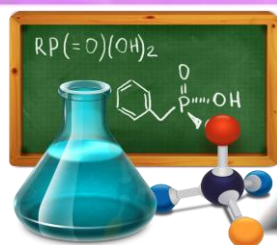
# Science 6<sup>th</sup> - prim

## Choose the correct answer:

- The device of measuring weight is.....  
a) one arm scale    b) two arm scale    c) digital scale    d) spring scale
- An object whose weight is 20 Newton on earth, its mass is equal to.....  
a) 2kg    b) 10kg    c) 20kg    d) 200kg
- The weight of a body its mass 200 gm on earth surface nearly equals .....  
a) 2 Newton    b) 20 Newton    c) 200 Newton    d) 2000 Newton
- The mass of a body on the moon surface is 10 kg, so its mass on earth surface equals....  
a) 10 kg    b) 10 Newton    c) 60kg    d) 60 Newton
- From the tools of measuring weight is .....  
a) kilogram    b) double pans balance    c) Newton    d) spring scale
- The Newton is nearly equals weight of a body its mass is.....  
a) 1 gm    b) 10gms    c) 100gms    d) 1000gms
- The mass of half liter of water equals .....  
a) 5gms    b) 50gms    c) 500gms    d) 500 gms
- Which of the following is faster in conducting heat?.....  
a) aluminium    b) copper    c) iron    d) glass
- The weight of a person in a balloon in a certain height from the earth surface equals 70 Newton, what is the weight of the person on earth surface.....  
a) 68 Newton    b) 69 Newton    c) 70 Newton    d) 71 Newton
- From the substances which are bad conductors of heat are.....  
a) iron & aluminium    b) copper & glass  
c) glass & wood    d) aluminium & copper



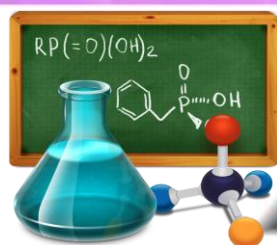




# Science 6<sup>th</sup> prim

11. The operation of thermometer depends on the idea of.....
- a) the change of gases volume with the change in temperature.
  - b) the change of liquids volume with the change in temperature.
  - c) the change of gases mass with the change in temperature.
  - d) the change of liquids mass with the change in temperature.
12. The clinical thermometer is different from the Celsius thermometer in.....
- a) The type of matter presents in the reservoir.
  - b) The presence of constriction in the capillary tube.
  - c) The type of matter used in manufacturing .
  - d) The effect of change temperature on the present liquid volume.
13. All the following from the properties of mercury as thermometric substance except....
- a) good conductor of heat.
  - b) the expansion is regular
  - c) give limited extent to measure the temperature.
  - d) not adhere to the walls of capillary tube.
14. Which of the following gases have great percentage in the atmospheric air? .....
- a) oxygen
  - b) nitrogen
  - c) carbon dioxide
  - d) water vapor
15. Oxygen presents in the atmosphere in gaseous state in form of molecules structure.....
- a) O
  - b) O<sub>2</sub>
  - c) O<sub>3</sub>
  - d) O<sub>4</sub>
16. Respiration & combustion processes consume..... gas.
- a) oxygen
  - b) nitrogen
  - c) carbon dioxide
  - d) argon





# Science 6<sup>th</sup> - prim

17. Hydrogen peroxide decomposes in presence of manganese dioxide to.....

- a) oxygen & hydrogen
- b) oxygen & water
- c) hydrogen & water
- d) hydrogen & manganese

18. A gas which is used with acetylene in welding metals is.....

- a) oxygen
- b) nitrogen
- c) carbon dioxide
- d) hydrogen

19. The maximum and minimum graduation of the clinical thermometer is between:.....

- a) 35: 42 °C
- b) 35: 45 °C
- c) 32:42 °C
- d) 32: 45 °C

20. The planet on which the body weight equals 6 times as its weight on the moon is.....

- a) mars
- b) earth
- c) Jupiter

21. The weight (Newton) = The mass (kilogram) x .....

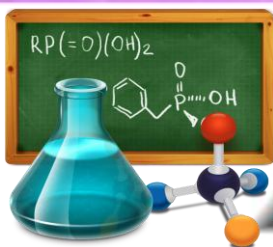
- a) 10
- b) 100
- c) 1000

22. If the body weight on earth surface equals 6 Newton, its weight on moon surface equals.

- a) 1/ 2
- b) 1
- c) 6
- d) 1/6







# Science 6<sup>th</sup> - prim

## **Put (✓) or (x) and correct the false one**

1-All materials are good conductor of heat ( )

.....

2-Copper is a good conductor of heat ( )

.....

3-Cooking pots are made of wood. ( )

.....

4-Handels of cooking pots are made of copper. ( )

.....

5-Aluminium is a poor conductor of heat ( )

.....

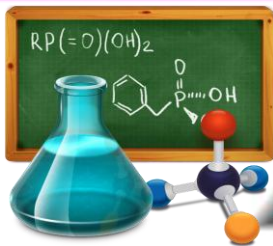
6-The Celsius thermometer is used for measuring temperature of human. ( )

.....

7-The scale of medical thermometer starts from zero until 100 Celsius degree. ( )

.....





# Science 6<sup>th</sup> - prim

8-The medical thermometer is used for measuring temperature of liquids ( )

.....

9- There is a constriction above the bulb in Celsius thermometer ( )

.....

10-The used liquid in the medical thermometer is mercury( )

.....

11- The scale of Celsius thermometer starts from 35 until 42 Celsius degree ( )

.....

12- Wood is a good conductor of heat ( )

.....

13-Heat transfers from a cold object to a hot object ( )

.....

14-The mass of a body changes as its location changes ( )

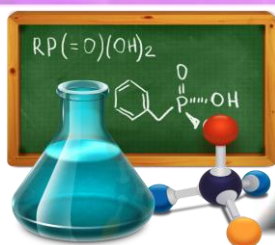
.....

15-The digital balance is used in measuring weight ( )

.....







# Science 6<sup>th</sup> - prim

16- Aluminium conducts heat faster than copper. ( )

.....

17-one liter of water is equivalent to 1 kg. ( )

.....

18-Nitrogen gas represents 21% of the volume of the atmosphere.

( )

.....

## oxygen gas

### Complete:

1- The atmosphere consists of a mixture of ..... surrounding the.....

2- The oxygen gas is produced plentifully from..... during .....process.

3- Oxygen gas of the atmosphere is consumed during ..... and ..... processes.

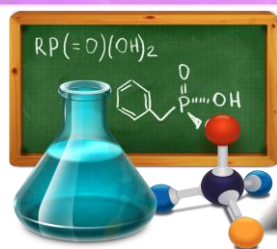
4- Oxygen gas is prepared by decomposition (analysis/dissociation) of ..... in the presence of .....

5- Oxygen gas is ..... than air, so it can replace air.

6- ..... and ..... are from the uses of oxygen gas.

7- The temperature of oxyacetylene flame rises to ..... that is sufficient to melt metals.





# Science 6<sup>th</sup> - prim

## Choose:

1- The percentage of oxygen gas in the atmosphere is .....

- a) 12%                      b) 78%                      c) 21%                      d) 30%

2- ..... gas is used with acetylene to weld metals.

- a) Oxygen                      b) Nitrogen                      c) Hydrogen                      d) Carbon dioxide

3- Oxygen gas exists in the atmosphere in a form of.....

- a) O                      b) O<sub>2</sub>                      c) O<sub>3</sub>                      d) O<sub>4</sub>

4- Oxygen gas has ..... effect on litmus paper.

- a) an alkaline                      b) a neutral                      c) an acidic                      d) no

## Write the scientific term:

1-A gas molecules consists of 3 atoms of oxygen. (.....)

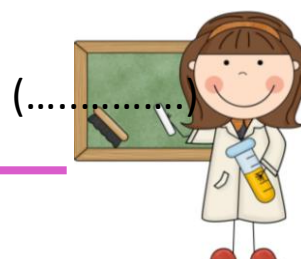
2- A gas molecules consists of 2 atoms of oxygen. (.....)

3-A flame used in cutting & welding metals. (.....)

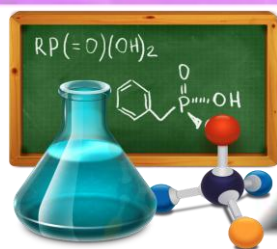
4-A gas used in its preparation hydrogen peroxide. (.....)

5-A mixture of gases surround the earth & protects it. (.....)

6- A chemical substance that speeds up the chemical reaction with out change in its quantity or properties.







## Science 6<sup>th</sup> - prim

7- A chemical substance that speeds up the chemical reaction during preparing oxygen. (.....)

8- The main source for preparing oxygen in the lab. (.....)

### **Give reason:-**

1-Although oxygen is consumed during respiration, its percentage stable.

2-Oxygen is collected by downward displacement of water.

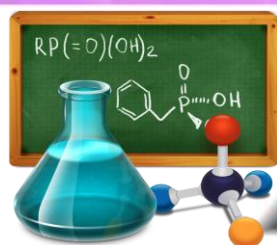
3-The atmosphere has a great important to our planet.

4- Manganese dioxide still without change in quantity & properties during preparing oxygen.

5-Oxygen doesn't change the color of both litmus paper.

6-Oxygen cylinders are used during mountains climbing / diving.





# Science 6<sup>th</sup> - prim

## Model Answer

### Write the scientific term:-

- |                            |                          |
|----------------------------|--------------------------|
| 1- Mass                    | 2- weight                |
| 3) 1Kg                     | 4) 1 Newton              |
| 5- Sensitive two-arm scale | 6- spring scale          |
| 7- Heat conductors         | 8- heat insulators       |
| 9- Medical thermometer     | 10- Celsius thermometer  |
| 11- Mercury                | 12- thermometer          |
| 13- temperature            | 14- double glazed window |
| 15- Copper                 | 16- Expansion            |
| 17- Medical thermometer    |                          |
| 18- Ozone gas              | 19- oxyacetylene         |
| 20- oxygen                 | 21- thermometer          |

### Solution(1):-

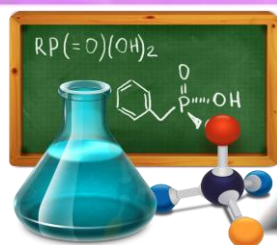
- 1- The mass on moon = the mass on earth = 30 kg
- 2- The weight on earth = mass (kg)  $\times$  10  
 $= 30 \times 10 = 300$  newton
- 3- The weight on moon = the weight on earth  $\times \frac{1}{6}$   
 $= 300 \times \frac{1}{6} = 50$  newton

### Solution(2):-

$$\begin{aligned} \text{Weight on moon} &= \frac{1}{6} \text{ weight on earth} \\ &= \frac{1}{6} \times 600 = 100 \text{ Newton} \end{aligned}$$





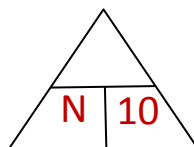


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## Solution(3):-

$$\text{Weight} = \text{mass (kg)} \times 10$$

$$\text{Mass} = \frac{\text{weight}}{10} = \frac{20}{10} = 2 \text{ kg}$$



## Solution(4):-

$$\text{Mass (gm)} = 200 \text{ gm}$$

$$\text{Mass (kg)} = \frac{200}{1000} = 0.2 \text{ kg}$$

$$\begin{aligned} \text{Weight on earth} &= \text{mass (kg)} \times 10 \\ &= 0.2 \times 10 = 2 \text{ newton} \end{aligned}$$

$$\begin{aligned} \text{Weight on moon} &= \text{weight on earth} \times \frac{1}{6} \\ &= 2 \times \frac{1}{6} = 0.33 \text{ newton} \end{aligned}$$

## Complete:-

1- balance scale ‘ spring scale

2- 20 kg

3- Kilogram ‘ gram ‘ newton

4- weight

5- weight

6- Mass ‘ planet where the object exist ‘ distance from the center of the earth.

7- place

8- mass

9- gram

10) 1 kilogram

11- 100

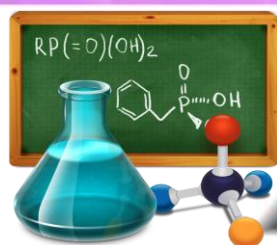
12- copper ‘ Aluminium

13- wood ‘ plastic ‘ rubber

14- alcohol

15- temperature of liquids ‘ the body temperature





# Science 6<sup>th</sup> prim

16- wood ‘ plastic

17- making cooking pans ‘ tea boilers

18- Medical ‘ 0° ‘ 100°

19- Celsius

20- copper

21- 10 - 1

22- bad

23- good conductors of heat

24- energy ‘ higher ‘ lower

25- thermometers

26- bad conductors of heat

27- expand ‘ contract

28- 0° ‘ 100°c

29- Medical (clinical)

30- 37°c

31- food

32- Plants – photosynthesis

33- respiration – diving

34- respiration combustion

## Give reason for:-

1- Because as mass increases the weight increases.

2- Because the more object's mass increases, the more difficult to change it's speed.

3- Because earth has greater mass & gravitational force than moon.

4- Because the gravity force decreases as the body moves away from the earth so it's weight decreases.

5- Because the mass of moon is less than that of earth & as mass of the planet increases it's gravitational force increases.

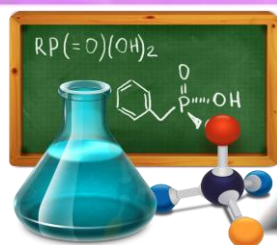
6- Because the air between the two sheets of glass is a bad conductor of heat, that prevent leakage of heat.

7- Because aluninium is good conductor of heat.

8- To keep the body warm as they are bad conductor of heat.







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9- Because by heat the railways expand & twist causing train accidents.

10 Because a- mercury doesn't stick with the capillary tube.

b- mercury is a good conductor of heat.

C – mercury expands by heating and contracts by cooling

d- mercury is a liquid metal and can be seen easily.

11- To avoid vibration of the balance and get the reading of mass more accurate.

12- Because the gravitational force of the earth attracts the hanged body downward, that causes the expand of the wire of spring scale.

13- because, as the mass of planet changes, the gravity changes, so the weight of the object on it changes.

14- because the copper allows heat to flow through it faster than the aluminum.

15- To prevent falling down the mercury to the mercury bulb and record the temperature.

16-Because the amount of oxygen which is consumed during respiration process equals to its amount which is produced by plants during photosynthesis process.

17- Because it forms the ozone layer that protects the earth from harmful rays of the sun.

18- Because the oxygen gas has a neutral effect on red or blue litmus paper.

19-Because the manganese dioxide is a catalyst, so its amount and properties don't change during the reaction.

20- Because oxygen is heavier than the air, so it allows us to breathe on mountains.

21-Because oxygen scarcely dissolves in water.

22- To sterilize it from the microbes before use it.

23- To force mercury goes down to the mercury bulb and measure the temperature.

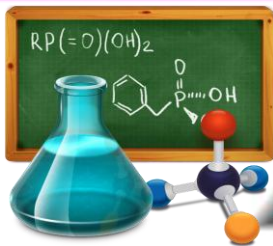
24- Because by touching, we know only is this body hot or cold, but we didn't measure the temperature of this body.

25- Because mercury remains liquid between  $-39$  and  $357^{\circ}$  .

26- Because the atmosphere a- adjusts the temperature of the earth.

b- protects earth from harmful rays of the sun





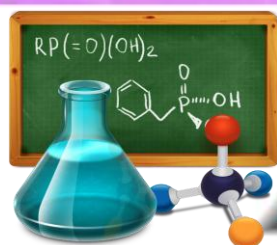
# Science 6<sup>th</sup> - prim

## Correct the underline words:-

- |                          |                            |
|--------------------------|----------------------------|
| 1- Mass                  | 2- Mass                    |
| 3- equal                 | 4- Gram, kg and ton        |
| 5- Gram                  | 6- Ton                     |
| 7- Gram, kg              | 8- Balance scale           |
| 9- Weight                | 10- Weight                 |
| 11- center               | 12- on space, on earth     |
| 13- Gram                 | 14- Newton                 |
| 15- 5 newton             | 16- spring scale           |
| 17- Weight               | 18- increases              |
| 19- directly             | 20- Weight, Mass           |
| 21- 10 Newton            | 22- 2 Newton               |
| 23- decreases, decreases | 24- Higher, lower          |
| 25- cold                 | 26- metals                 |
| 27- The cup to your hand | 28- thermometers           |
| 29- Temperature          | 30- Aluminium              |
| 31- bad                  | 32- bad                    |
| 33- good                 | 34- wood                   |
| 35- Air                  | 36- conductors             |
| 37- different            | 38- slower                 |
| 39- Aluminium            | 40- wood                   |
| 41- Copper               | 42- bad conductors of heat |
| 43- thermometer          | 44- liquids                |







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45- constriction

46- 35°C to 42°C

47- 10 parts

48- should sterilize

49- medical

50- toxic

51- 37°C

52- 0°C

53-three

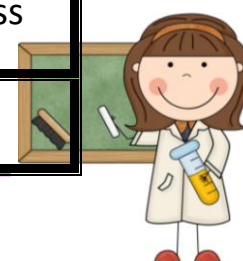
54-hydrogen peroxide - oxygen

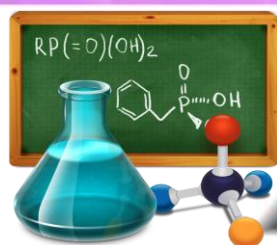
## Comparison:

Point of comparison	Celsius thermometer	Medical thermometer
1- Structure	(a) transparent thick glass tube. (b) Capillary tube closed from one of its ends. (c) Mercury bulb filled with mercury and connected to the other end of the Capillary tube	
2- Range of scale	From 0°C to 100°C	From 35°C to 42°C
3- Constriction	absent	present
4- The used liquid	Mercury	Mercury
5- Usage	Measuring temp of liquid	Measuring temp of human body

## Join from column (a) what is suitable from column(b)

(a)	(b)
1. Gram (d)	a-measuring unit of weight
2. kilo gram (c)	b-measuring unit of temperature
3. Newton (a)	c- measuring unit of heavy mass
4. Celsius (b)	d- measuring unit of light mass
	e-measuring unit of volume





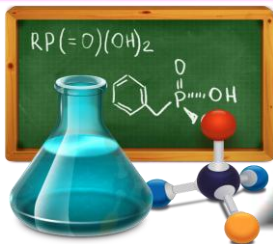
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## Choose

1. spring scale
2. 2kg
3. 2 newton
4. 10kg
5. spring scale
6. 100 gms
7. 500 gms
8. copper
9. 71 newton
10. glass & wood
11. the change of liquids volume with the change in the temperature
12. the presence of constriction in the capillary tube
13. give limited extend to measure the temperature
14. nitrogen
15. O<sub>2</sub>
16. oxygen
17. oxygen & water
18. oxygen
19. 35°:42° celsius degree
20. earth
21. 10
22. 1





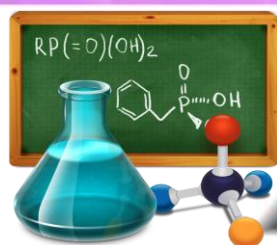


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## **Put (✓) or (x)**

1. (x) metals
2. (✓)
3. (x) aluminium
4. (x) wood
5. (x) good
6. (x) medical
7. (x) Celsius
8. (x) Celsius
9. (x) medical
- 10-(✓)
- 11-(x) medical
- 12-(x) bad
- 13-(x) hot to cold
- 14-(x) weight
- 15-(x) mass
- 16-(x) copper-aluminium
- 17-(✓)
- 18-(x) oxygen





# Science 6<sup>th</sup> - prim

## oxygen gas

### Complete:

- 1- Gases - the earth
- 2- Plant – photosynthesis
- 3- Respiration – combustion
- 4- hydrogen peroxide - manganese dioxide
- 5- heavier
- 6- Respiration - mechanical ventilation
- 7- 3500°C

### Choose:

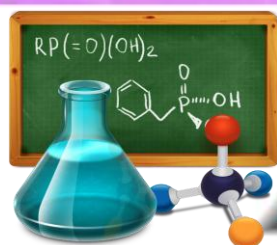
- 1- c) 21%
- 2- a) Oxygen
- 3- b) O<sub>2</sub>
- 4- b) a neutral

### Write the scientific term:

- 1- (...Ozone....)
- 2- (...Oxygen..)
- 3- (...Oxy-acetylene....)
- 4- (...Oxygen....)
- 5- (..Atmosphere..)
- 6- (....Catalyst...)
- 7- ( ..manganese dioxide..)
- 8- ( hydrogen peroxide)







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### Give reason:

- 1- Due to it is produced/ compensated by green plants during photosynthesis process.
- 2- Due to oxygen gas scarcely dissolve in water
- 3- Due to: a) It protects the earth by absorbing the ultraviolet radiation.  
b) Adjust the temperature of earth.
- 4- Due to it is a catalyst.
- 5- Due to it has a neutral effect on both litmus paper.
- 6- To provide them with oxygen for respiration

*Good Luck !*

