

Science

Grade 4

First Term 2019 - 2020

Final Revision

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لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على
يوتيوب اضغط على الرابط التالي :
<http://bit.ly/2Rq9iYq>

* طبقاً لأخر تعديل في المادة للعام الدراسي 2019-2020



Final Revision

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*(1) Choose the right answer:

1. The measuring tool used for measuring the volume of liquids is
a . graduated cylinder. b . graduated tape. c . measuring ruler.

2. The matter that takes the shape and the volume of its container is called
a . solid. b . liquid. c . gas.

3. There is life on planet.
a . Earth b .Jupiter c . Mars

4. of sugar is considered as a chemical change.
a . Dissolving b . Burning c . Grinding

5. is the biggest body in the solar system.
a . The Earth b . Jupiter c . Mercury d . The Sun

6. Gold and silver are used in manufacturing of
a . bridges. b . planes. c . jewels. d . doors.

7. is used to measure the volume of a liquid.
a . Balance b . Measuring tape c . Graduated cylinder d . Ruler

8. Cooking pots are made up of
a . aluminum. b . iron . c . sulphur.

9. The number of the planets in the solar system is
a . 4 b . 8 c . 6

10. The volume of a solid material is measured by
a . cm . b . cm² c . cm³ .

11. The biggest planet is
a . the Earth. b . Jupiter. c . Neptune.

12. The Sun is a star because it light.
a . reflects b . radiates c . absorbs

13. The Earth has
a . one moon . b . two moons. c . no moons.

14. A stone is put in a jar containing 30 cm³ of water, water level rises in the jar up to 50 cm³ , so that the volume of the stone equals
a . 20 cm³ b . 30 cm³ c . 50 cm³

15. Electric wires are made up of
- a. sulphur. b . carbon . c. copper.
-
16. is an example of the physical changes.
- a. Burning of a candle b. Dissolving of sugar in water c. Iron rust
-
17. Carbon is characterized by
- a. good conductor of heat. b. good conductor of electricity. c. malleable and ductile.
-
18. The most beautiful planet in shape in the solar system is
- a. Earth. b. Saturn. c. Venus. d. Neptune .
-
19. The change of matter from the liquid state into the gaseous state is called
- a. condensation . b . evaporation. c . melting. d. freezing.
-
20. The number of the day hours are less than the number of the night hours In.....
- a . summer. b . winter. c. spring . d. all of the seasons.
-
21. An example of physical change is
- a. rotten of fruits. b . dissolving of salt in water. c . burning of coal.
-
22. The measuring unit of volume of solid object is
- a . cm. b. cm³ c. cm².
-
23. The center of the solar system is
- a . the Sun. b . the Earth. c. the moon.
-
24. The cooking pots are made up of
- a . aluminum . b. iron. c. plastic.
-
25. There are planets at the solar system.
- a. 7 b. 8 c. 9
-
26. The volume of can be measured by using the graduated cylinder only.
- a. gases b. liquids c. (a) and (b)
-
27. takes the shape and the volume of its container.
- a. Milk b. Air c. Aluminum
-
28. The distances between cities are measured in
- a. meter. b. kilogram. c. kilometer. d. ton.
-
29. matter has a definite volume & takes the shape of its container.
- a. Solid b. Liquid c. Gaseous d. (a) & (b)
-
30. is the biggest body in the solar system.
- a. Earth b. Sun c. Moon d. Mars
-
31. Hours of day are longer than hours of night in the season.
- a. winter b. summer c. spring d. autumn
-
32. Electric wires are made up of
- a . sulphur. b. carbon . c. copper. d. wood.

33. From metals that found in a liquid state at room temperature is

- a. mercury. b. bromine. c. water.

34. Graduated cylinder is used to measure the of an object.

- a. volume b. mass c. length

35. is the measuring unit of small masses.

- a. kg b. gm c. Kilometer

36. Changing of water vapor to water is called

- a . evaporation . b. melting. c. condensation.

37. Adding table salt to water with stirring produces

- a. a new substance. b. physical change. c. chemical change.

38. The biggest planet is

- a. Earth. b . Mercury. c . Jupiter. d . Mars.

39. Electric wires are made up of

- a. sulphur. b . copper. c. iron. d . carbon.

40. The only liquid metal is

- a . wood. b . mercury. c. air. d. copper.

41. The axis of the Earth is

- a. upright. b . vertical. c . inclined. d . minimized.

42. Non-metal that is used to make the positive pole of dry cell is

- a. copper. b . sulphur. c . carbon .

43. The only liquid metal is

- a . mercury. b. wood. c. bromine .

44. The planet that has colored rings around it is.....

- a. Mercury. b . Earth. c . Saturn .

45. We see the moon shining because it

- a. absorbs light. b. radiates light. c. reflects light.

46. Which of the following is considered as a physical change?

- a. Burning of fuel. b. Melting of a candle. c. Iron rust.

47. The cooking pots are made up of

- a. aluminum. b. sulphur. c. wood.

48. The coldest planet of the solar system is

- a . Jupiter. b. Uranus . c. Earth.

49. The space occupied by an object is called

- a. length . b. volume . c. mass.

50. Common balance is used to measure of an object.

- a . volume b. length c. mass

68. Ice is the state of water.

- a. gaseous b. solid c. liquid d. no correct answer

69. is amount of matter in an object.

- a. Volume b. Mass c. Weight d. Metal

70. From examples of physical change is

- a. melting of ice. b. iron rusting. c. burning of sugar.

71. Gold and silver are used in manufacturing

- a. bridges. b. planes. c. jewels.

72. The volume of an irregular shaped object is estimated by using a

- a. graduated cylinder. b. measuring ruler. c. common balance.

73. By increasing the temperature of water, it

- a. melts. b. evaporates. c. condenses.

74. Wood and glass are examples of

- a. solids. b. liquids. c. gases.

75. is a tool used to measure volumes of liquids.

- a. Ruler b. Balance c. Graduated cylinder

76. The nearest planet to the Sun is

- a. Mercury. b. Neptune. c. Jupiter.

77. The biggest body in the solar system is

- a. Jupiter. b. the Sun. c. Moon.

78. The number of the day hours is equal to the number of the night hours in

- a. summer. b. winter. c. spring.

79. The planet where we live

- a. Venus. b. Earth. c. Mars.

80. The Earth revolves around the Sun once every

- a. 24 hours. b. $356\frac{1}{4}$ hours. c. $365\frac{1}{4}$ days.

81. During season, day is longer than night.

- a. summer b. winter c. spring d. fall

82. The farthest planet from the Sun is

- a. Neptune. b. Mercury. c. Mars.

83. The blue planet is

- a. Neptune. b. Mars. c. Saturn. d. Venus.

84. The number of the planets in the solar system is

- a. 4 b. 8 c. 6

85. Stars are bodies with different sizes.

- a. shining b. dark c. equal d. different

86. The is the center of the solar system.

- a. Sun b. Earth c. moon

✱ (2) Write the scientific term :

- 1) It is the amount of matter in an object. (.....)

- 2) It is the change in the structure of the substance producing a new substance with different properties . (.....)

- 3) It is everything that has a mass and a volume. (.....)

- 4) They have definite shape and volume. (.....)

- 5) The simplest form of matter that can't be decomposed into two substances or more. (.....)

- 6) The change of matter from gaseous state to liquid state when decreasing its temperature. (.....)

- 7) The Sun, eight planets, moons and other celestial bodies. (.....)

- 8) The season in which day hours are shorter than hours of the night. (.....)

- 9) The space occupied by the matter. (.....)

- 10) A dark body revolves around the Sun and we live on it. (.....)

- 11) A group of elements have metallic luster. (.....)

- 12) The change of ice into water. (.....)

- 13) A state of matter that has a definite volume and an indefinite shape. (.....)

- 14) The unit used to measure large masses as vegetables. (.....)

- 15) A unit used to measure the small masses . (.....)

- 16) The biggest planet in the solar system. (.....)

- 17) The measuring unit of small lengths. (.....)

- 18) A metal is used in making electric wires. (.....)

- 19) A season in which day is longer than night. (.....)

- 20) Elements have metallic luster and good conductors of heat and electricity. (.....)

- 21) Anything that occupies space and has a mass. (.....)

- 22) A state of matter that can be pressed inside cylinders. (.....)

- 23) The state of matter that has definite shape and definite volume . (.....)
-
- 24) The change of matter from solid state into liquid state . (.....)
-
- 25) Dark objects revolve around the Sun in fixed orbits. (.....)
-
- 26) A group of elements having luster, good conductors of electricity and heat , have high melting points , malleable and ductile and all of them are solids except mercury which is a liquid. (.....)
-
- 27) A dark object revolves around the Earth and reflects the sunlight falling of it. (.....)
-
- 28) The change in the structure of a substance producing a new substance or new substances with different properties. (.....)
-
- 29) A planet called the red planet. (.....)
-
- 30) Elements which are bad conductors of heat. (.....)
-
- 31) A planet in the solar system which has a big number of colored rings rotate around it. (.....)
-
- 32) They are formed due to the rotation of the Earth around the Sun every 365.25 days. (.....)
-
- 33) It is used in making car chassis and bridges. (.....)
-
- 34) A liquid metal. (.....)
-
- 35) The change in the appearance of the substance without any change in its structure. (.....)
-
- 36) A liquid non-metal. (.....)
-
- 37) The change of matter from solid state to liquid state by heating . (.....)
-
- 38) A dark body revolves around the Earth & reflects sunlight. (.....)
-
- 39) The non-metal which is used in making dry batteries. (.....)
-
- 40) The change of matter from liquid state to gaseous state. (.....)
-
- 41) The most beautiful planet. (.....)
-
- 42) A unit used to measure the small masses. (.....)
-
- 43) State of matter has definite volume and shape. (.....)
-
- 44) Tool used to measure the mass of small objects as jewels. (.....)
-
- 45) Non-metal which is a good conductor of electricity. (.....)

- 46) The measuring unit of small lengths. (.....)
-
- 47) Anything that has a mass and a volume. (.....)
-
- 48) The simplest form of the matter. (.....)
-
- 49) Dark bodies revolve around the Sun in fixed orbits. (.....)
-
- 50) The nearest planet to the Sun. (.....)
-
- 51) A tool that is used to measure the volume of a liquid. (.....)
-
- 52) The space that is occupied by an object. (.....)
-
- 53) A unit used to measure the small masses. (.....)
-
- 54) A metal which used in making electric wire. (.....)
-
- 55) Elements that have no luster. (.....)
-
- 56) The planet that has coloured rings. (.....)
-
- 57) Change of matter from liquid state into solid state by cooling. (.....)
-
- 58) Change of matter from gas state into liquid state by cooling. (.....)
-
- 59) The change in the structure of matter. (.....)
-
- 60) The change in the Shape of matter only (.....)
-
- 61) The group of elements that have luster. (.....)
-
- 62) The state of matter has an indefinite shape and a definite volume. (.....)
-
- 63) The change in the shape of the matter only not in its structure. (.....)
-
- 64) The simplest form of matter that cannot be decomposed into two substances or more. (.....)
-
- 65) The most beautiful planet. (.....)
-
- 66) The red planet in the solar system. (.....)
-
- 67) Everything occupies a space and has a mass. (.....)
-
- 68) The state of matter that can be pressed (.....)
-
- 69) The substance that has definite shape and volume. (.....)

✱(3) Complete the following :

1. The red planet is
2. The nearest planet to the Sun is
3. The Earth rotates around its axis once everyhours .
4. The axis of the Earth is
5. Measuring tool of small masses is ,
whileis the tool we use to measure large lengths.
6. Rotten of fruits ischange, but freezing of water is.....change.
7. The solid state of water isbut its gaseous state is
8. Elements are classified intoand
9. Melting of ice is achange, while burning of sugar is a change.
- 10..... is used in manufacturing of bridges, while is used in
manufacturing of electric wires.
- 11.Matter can be changed from one state to another state byand
- 12.We usein manufacturing of bridges.
- 13.The Earth is located between and
- 14.Matter hasand
- 15.Cooking pots are made up of
- 16.Burning of wood is considered as achange .
- 17.The group of elements that doesn't have luster is known as
- 18.States of matter are , liquids and
- 19.Graduated cylinder used to measure theof liquids.
- 20.The day is longer than night inseason.
- 21..... is the smallest planet, while is the farthest planet from the Sun.
- 22.The group of elements that have luster is known as
- 23.Kilogram is the unit of measuring
- 24.Matter can be pressed in case of its state.
- 25.Burning of wood is considered as a change.

26. Evaporation is the change of matter from a state into a state .
27. Mars is known as planet, while Neptune is the planet.
28. Silver is shiny element, it belongs to the group , while sulphur is an element having no luster so it belongs to group.
29. Melting is the change of matter from state into state.
30. is the blue planet, while is the most beautiful planet.
31. The sequence of day and night is due to rotation of around
32. Dissolving of sugar in water is a change .
33. is the red planet.
34. Common balance is used for measuring, while is used to measure small lengths.
35. Liquids have volumes and indefinite
36. Melting is the change of matter from state into state.
37. The positive poles of the dry cell are made up of, while electric wires are made up of
38. The Sun is a shining star that radiates and
39. Freezing is a change of matter from state to state.
40. Ice is the state of water.
41. Elements are classified into and
42. Lengths of objects are measured by some units as and
43. Mars is known as planet, while Neptune is known as planet.
44. Condensation process is change of matter from state to state by cooling.
45. Stars are bodies , while planets are bodies.
46. Planets are bodies that revolve around the Sun in fixed orbits .
47. Melting of ice is a change, while burning of sugar is a change.
48. locates at the center of the solar system and there are revolve around it.
49. Ice can be changed into water by process.

50. Condensation is the change of matter from state into state .
51. The is located at the center of the solar system
52. Dissolving sugar in water is a change.
53. Cutting of paper is a change , but burning of paper is a change .
54. Freezing is the change of matter state from state to state
55. The measuring units of length are and
56. The Sun is the nearest star to us, it radiates (emit) and
57. The change of matter from liquid state to gaseous state is called
58. is the amount of matter in an object.
59. The states of matter are solid, and
60. state of matter that doesn't have a definite shape or volume.
61. Grinding of sugar is considered a change.
62. We use in manufacturing bridges.
63. The smallest planet is , while the biggest planet is
64. Copper and graphite are good conductors of
65. A matter has and
66. Ice is an example of the state of matter.
67. The only liquid metal is , while the only liquid non-metal is
68. Gold is used in manufacturing of , while is used in making of positive poles of dry cells (batteries).
69. Planets are bodies that revolve around the Sun in fixed orbits.

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✱(4) What is the function (use) of ... ?

1. Iron :
2. Aluminum :
3. Copper:
4. Carbon :
5. Graduated cylinder:
6. Gold :
7. Sensitive balance :

✱(5) Cross the odd word out :

1. Earth - Moon - Venus - Mars.
2. Iron - Copper - Sulphur -Aluminum.
3. Aluminum - Mercury - Iron - Copper.
4. Venus - Jupiter - Moon - Saturn .
5. Carbon dioxide - Oxygen – Silver
6. Uranus - Moon - Venus.
7. Evaporation - Melting - Burning of sugar - Freezing .
8. Iron - Copper – water
9. Earth - The Sun - Venus - Neptune.
- 10.Aluminum - Sulphur - Iron - Copper.
- 11.Gram - Kilogram - Meter - Ton.
- 12.Oxygen - Nitrogen - Carbon dioxide - Iron.
- 13.Earth - Moon - Jupiter - Uranus.
- 14.Earth - Jupiter - Moon - Uranus.
- 15.Aluminum - Mercury - Iron - Copper.
- 16.Meter - Gram - Centimeter - Kilometer.

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✱(6) Correct the underlined words:

1	Iron is used in manufacturing of cooking pots.	(.....)
2	The Earth 's axis is vertical .	(.....)
3	The Earth rotates around the Sun once every 24 days.	(.....)
4	Freezing is the change of matter from liquid to gas.	(.....)
5	Solids have indefinite shapes and definite volumes .	(.....)
6	Statues are made up of carbon .	(.....)
7	Matter can be pressed in its liquid state.	(.....)
8	Water is an example of gaseous state of matter.	(.....)
9	Graduated cylinder is from measuring tools of length .	(.....)
10	Sun is a planet .	(.....)
11	Graduated tape is used to measure mass of fruits and vegetables.	(.....)
12	Bromine is a liquid metal.	(.....)
13	Freezing is the change of matter from the solid state into the liquid state.	(.....)
14	A matter has a mass and length .	(.....)
15	Electric wires are made up of iron .	(.....)
16	Centimetre , metre and kilometre are measuring units of mass .	(.....)
17	The rotation of Earth around its axis causes the sequence of the four seasons .	(.....)
18	Earth is the center of the solar system.	(.....)
19	Rotten of fruits is an example of the physical change.	(.....)
20	The graduated cylinder is used to measure the mass .	(.....)
21	Chemical change is a change in the shape of matter only.	(.....)
22	The sequence of seasons is occurred due to rotation of the Earth around its axis .	(.....)

23	The number of the planets in the solar system is <u>6</u>	(.....)
24	All metals are solid elements except <u>bromine</u> .	(.....)
25	The farthest planet from the Sun is <u>Uranus</u> .	(.....)
26	The graduated ruler is used to measure the <u>mass</u> .	(.....)
27	Changing of ice into water is a <u>condensation</u> process.	(.....)
28	Water vapor is an example of <u>liquid</u> state.	(.....)
29	The Sun is a <u>planet</u> that emits heat and light.	(.....)
30	<u>Saturn</u> is the nearest planet to the Sun.	(.....)
31	The <u>chemical</u> change is the change in the appearance of matter without a change in its structure.	(.....)
32	<u>Non-metals</u> are good conductors of electricity and have luster.	(.....)
33	<u>Evaporation</u> is the change of matter from the gaseous state to the liquid state by cooling.	(.....)
34	<u>Iron</u> is a liquid metal	(.....)
35	<u>Venus</u> is the blue planet.	(.....)
36	Small masses are measured by a <u>graduated cylinder</u> .	(.....)
37	Metre = <u>10</u> centimetres.	(.....)
38	<u>Aluminium</u> is used in manufacturing of bridges.	(.....)
39	Water vapour is a <u>liquid</u> matter.	(.....)
40	Gas changes into liquid by <u>heating</u> .	(.....)
41	The moon seems shiny as it <u>emits</u> sunlight.	(.....)
42	Matter exists in <u>two</u> states.	(.....)
43	Three metres equal <u>200</u> cm.	(.....)
44	<u>Condensation</u> is the change of matter from the liquid state to the solid state.	(.....)

45	Aluminium is used in making bridges and car chassis.	(.....)
46	Solids are changing their shapes and volumes according to their containers.	(.....)
47	Graduated tape is used to measure the mass of fruits.	(.....)
48	Common balance is used in measuring the volume of objects.	(.....)
49	Solids take the shapes of their containers.	(.....)
50	Evaporation is the change of matter from the solid state into the liquid state.	(.....)
51	Liquid has indefinite shape and volume.	(.....)
52	One kilogram equals 100 grams.	(.....)
53	All metals are solids except bromine , is a liquid.	(.....)
54	The graduated ruler is used to measure the mass .	(.....)
55	Sulphur is a non-metal element and good conductor of electricity.	(.....)
56	In winter season, the length of the day is longer than the night.	(.....)
57	The Earth is the fourth planet away from the Sun	(.....)
58	The axis of the Earth is vertical .	(.....)
59	Uranus is known as the red planet.	(.....)
60	Neptune is the most beautiful planet.	(.....)
61	Uranus is known as the red planet.	(.....)
62	The Sun is a planet and it emits light.	(.....)
63	Saturn is located between Venus and Mars.	(.....)

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✱ (7) Give reason for:

1. The air is a gaseous matter.

.....

2. The sequence of day and night.

.....

3. Formation of water droplets on the leaves of plants and cold surfaces in the early morning.

.....

4. Although the Sun is a medium sized star, it appears to us bigger than other stars .

.....

5. Carbon is used in manufacture of positive poles of batteries.

.....

6. The moon is a dark object but we see it shining at night.

.....

7. Electric wires are made up of copper.

.....

8. The Sun is a star.

.....

9. The big stars seem small to us.

.....

10. Water is a liquid matter.

.....

11. The sequence of the four seasons.

.....

12. Burning a piece of paper is a chemical change.

.....

13. Adding yeast to dough during baking is a chemical change.

.....

14. Car is a matter.

.....

15. Aluminum is used in making cooking pots.

.....

16. Iron is a solid matter .

.....

*(8) What happen if:

1. The Earth's axis is vertical and not inclined.

.....

2. The Earth rotates around the Sun.

.....

3. A piece of ice is heated.

.....

4. Putting a bottle of water in the freezer.

.....

5. Leaving the wet iron nail in the air.

.....

6. The Earth rotates around its axis.

.....

7. Putting a bottle full of water in the freezer for a day.

.....

8. Boiling of water and exposing the product to a cold surface .

.....

9. You connect a piece of sulphur with an electric circuit that has a lamp and why?

.....

10. The Earth rotates around the Sun once every year.

.....

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* (9) **Put (√) or (X) :**

1. Liquid matter can be pressed. ()
2. The blue planet is Mars. ()
3. Melting of ice is a physical change. ()
4. The volume is the space occupied by a matter ()
5. Chemical change is a change in the structure of matter. ()
6. Iron is used in making car chassis. ()
7. The number of day hours is equal to the number of night hours in winter ()
8. Liquid matter have definite shapes and volumes. ()
9. The Earth rotates around its axis causing the sequence of the four seasons. ()
10. Volume is the space occupied by the object. ()
11. Liquids are evaporated by cooling. ()
12. Element is the simplest form of matter that can be decomposed into two substances or more ()
13. The solar system consists of Sun, planets, moons and celestial bodies ()
14. Non-metals are malleable and ductile. ()
15. The measuring ruler is used to measure the length of your book ()
16. Matter exists in 4 states ()
17. Metals are malleable and ductile ()
18. Oxygen and nitrogen are non-metals ()
19. The Sun is located in the center of the solar system. ()
20. Solid state can be pressed. ()
21. Melting of wax is a physical change. ()
22. All non-metals are bad conductors of electricity. ()
23. On decreasing the temperature of water, it freezes. ()
24. The day is shorter than the night in summer. ()
25. The unit of measuring mass is gram. ()
26. Liquid has definite shape and volume. ()

27. Mars is the most beautiful planet. ()
28. The graduated ruler used to measure the mass. ()
29. Water vapor condenses when it touches a cold surface. ()
30. The Earth rotates around its axis once every 24 day ()
31. Iron rust is a chemical change. ()
32. The solid substances have definite shapes and volumes. ()
33. Melting is a change of matter from solid state to liquid state. ()
34. Graduated tape is used in measuring mass. ()
35. Grinding of sugar is a physical change. ()
36. Nitrogen from gaseous non-metal. ()
37. Iron and carbon are good conductors of heat. ()
38. Ice is a solid state. ()
39. Liquid matter has definite shape and volume. ()
40. The electric wires are made of phosphorus. ()
41. Carbon and sulphur have high melting points. ()
42. The measuring unit of the volume is cm^3 ()
43. Non-metals like carbon have luster. ()
44. Rusting iron is a chemical change when iron is exposed to wet air ()
45. Matter can be pressed in case of its liquid state . ()
46. Sensitive balance is used to measure the mass of jewels. ()
47. Freezing is a change of gaseous state to liquid state ()
48. Hammering of iron is a chemical change ()
49. Iron has low melting point ()
50. We use copper in making statues. ()
51. Ruler is used to measure the small lengths ()

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★(10) Problems :

1

Match from column (B) what suits it in column (A) :

(A)	(B)
1. They have metallic luster	a. mass
2. The liquid metal	b. volume
3. The biggest body in the solar system	c. length
4. The liquid non-metal	d. mercury
5. The sensitive balance is used to measure	e. bromine
6. The graduated tape is used to measure	f. Jupiter
	j. Sun
	h. metals

1.

2.

3.

4.

5.

6.

2

Arrange the following planets from the nearest to the Sun
(from the nearest to the farthest) :

a. (Neptune - Mars - Saturn - Venus)

b. (Neptune - Venus - Uranus - Mars - Earth - Saturn)

c. (Jupiter - Uranus - Mercury - Mars)

3

Find the volume of your pencil case if you know that its length equals 10 cm. , its width equals 5 cm. and its height equals 2 cm.

4

Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Jupiter is	a. the most beautiful planet.
2. Non-metals	b. the center of the solar system.
3. Venus is	c. the biggest planet.
4. The Sun is	d. are bad conductors of heat.

1.

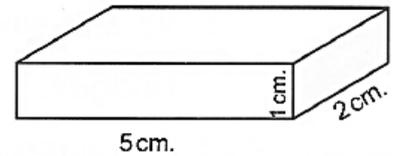
2.

3.

4.

5

Calculate the volume of the shown box its length = 5 cm., its width = 2 cm. , its height = 1 cm.



.....

6

Choose from column (B) what suits it in column (A) :

(A)	(B)
1. The Earth	a. is called the red planet.
2. Jupiter	b. is the biggest planet.
3. Neptune	c. is the farthest planet from the Sun.
4. Mars	d. is the nearest planet to the Sun.
	e. is the third planet away from the Sun.

1.

2.

3.

4.

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

<http://bit.ly/2Rq9iYq>

7

Choose from column (B) that is suitable for column (A) :

(A)	(B)
1. change of matter from liquid state into gaseous state.	a. Melting
2. change of matter from solid state into liquid state.	b. Freezing
3. change of matter from liquid state into solid state.	c. Condensation
4. change of matter from gaseous state into liquid state.	d. Evaporation

1. 2. 3. 4.

8

Classify :

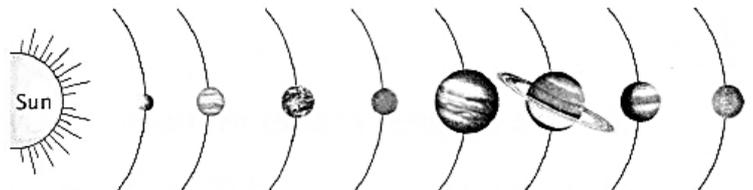
(Dissolving sugar - Wood burning - Iron rusting - Wax melting)

Physical change	Chemical change
.....
.....
.....
.....

9

Complete the following :

- The smallest planet is
- The red planet is
- The biggest planet is
- The farthest planet from the Sun is



لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

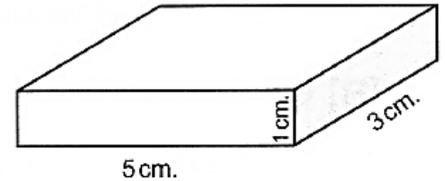
<http://bit.ly/2Rq9iYq>

10

Find the volume of the box shown in the figure.

.....

.....



11

Compare between stars and planets according to definition :

Stars	Planets
.....
.....
.....

12

Choose from column (B) that is suitable for column (A) :

(A)	(B)
1. The biggest planet.	a. Mercury
2. The planet on which we live.	b. Jupiter
3. Iron rusting.	c. Earth
4. Liquid metal element.	d. Physical change
5. Used to measure the volume of irregular solid object.	e. Chemical change
	f. Graduated cylinder

1. 2. 3. 4. 5.

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :
<http://bit.ly/2Rq9iYq>

13

Compare between solid state, liquid state and gaseous state according to the shape :

State of matter	Solid state	Liquid state	Gaseous state
The shape

14

Choose from column (B) what is suitable in column (A) :

(A)	(B)
1. Metre 2. Sensitive balance 3. Silver 4. Graduated tape 5. Matter	a. used to measure the mass of small objects that is made of gold. b. is anything that has mass and volume. c. used to measure the length of a table. d. a unit that equals 100 centimetres. e. used in making jewellery.

1. 2. 3. 4. 5.

15

The volume of your classroom whose length = 5 m , width = 4 m and height= 3 m.

16

Find the volume of a box whose length = 3 cm. , width = 2 cm. and height = 1 cm.

Volume of box = × × height
 = × ×
 = cm³

20

Match from column (A) what suits it from column (B) :

(A)	(B)
1. The measuring unit of length is	a. kilogram
2. The measuring unit of mass is	b. metre
3. The measuring unit of volume is	c. newton
	d. litre

1.

2.

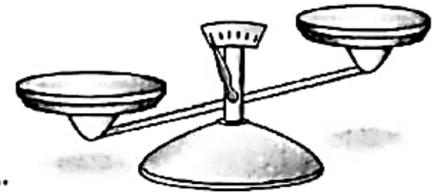
3.

21

Look at the opposite figure, then answer :

1. This device is called|

2. This device is used to measure



23

a stone is put in a cylinder containing 40 cm^3 of water, water level raises to 50 cm^3 ,
Find volume of the is stone .

24

The volume of stone, which is put in a jar containing 70 cm^3 of water and the water level rises in the jar up to 80 cm^3 .

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

<http://bit.ly/2Rq9iYq>

Model answer* (1) Choose the right answer:

- | | | | |
|-------|-------|-------|-------|
| 1. A | 23. A | 45. C | 67. B |
| 2. C | 24. A | 46. B | 68. B |
| 3. A | 25. B | 47. A | 69. B |
| 4. B | 26. B | 48. B | 70. A |
| 5. D | 27. B | 49. B | 71. C |
| 6. C | 28. C | 50. C | 72. A |
| 7. C | 29. B | 51. C | 73. B |
| 8. A | 30. B | 52. A | 74. A |
| 9. B | 31. B | 53. B | 75. C |
| 10. C | 32. C | 54. A | 76. A |
| 11. B | 33. A | 55. B | 77. B |
| 12. B | 34. A | 56. B | 78. C |
| 13. A | 35. B | 57. C | 79. B |
| 14. A | 36. C | 58. A | 80. C |
| 15. C | 37. B | 59. C | 81. A |
| 16. B | 38. C | 60. B | 82. A |
| 17. B | 39. B | 61. C | 83. A |
| 18. C | 40. B | 62. A | 84. B |
| 19. B | 41. C | 63. A | 85. A |
| 20. B | 42. C | 64. C | 86. A |
| 21. B | 43. A | 65. B | |
| 22. B | 44. C | 66. C | |

* (2) Write the scientific term :

- | | | | |
|--------------------|---------------------------|------------------------|---------------------|
| 1. Mass | 21. Matter | 41. Venus | 61. Metals |
| 2. Chemical change | 22. Gas | 42. Gram | 62. Liquid |
| 3. Matter | 23. Solid | 43. Solid | 63. Physical change |
| 4. Solid | 24. Melting | 44. Sensitive balance | 64. Element |
| 5. Element | 25. Planet | 45. Carbon | 65. Venus |
| 6. Condensation | 26. Metals | 46. Cm | 66. Mars |
| 7. Solar system | 27. Moon | 47. Matter | 67. Matter |
| 8. Winter | 28. Chemical change | 48. Element | 68. Gas |
| 9. Volume | 29. Mars | 49. Planets | 69. Solid |
| 10. Earth | 30. Non-metals | 50. Mercury | |
| 11. Metals | 31. Saturn | 51. Graduated cylinder | |
| 12. Melting | 32. Sequence of 4 seasons | 52. Volume | |
| 13. Liquid | 33. Iron | 53. Gram | |
| 14. Kg | 34. Mercury | 54. Copper | |
| 15. Gram | 35. Physical change | 55. Nonmetals | |
| 16. Jupiter | 36. Bromine | 56. Saturn | |
| 17. Cm | 37. Melting | 57. Freezing | |
| 18. Copper | 38. Moon | 58. Condensation | |
| 19. Summer | 39. Carbon | 59. Chemical change | |
| 20. Metals | 40. Evaporation | 60. Physical change | |

*(3) Complete the following :

- | | | |
|-----------------------------|--------------------------------|-------------------------|
| 1. Mars | 25. Chemical | 48. Sun – 8 planets |
| 2. Mercury | 26. Liquid – gas | 49. Melting |
| 3. 24 | 27. Red – blue | 50. Gas – liquid |
| 4. Inclined | 28. Metals – nonmetals | 51. Sun |
| 5. Sensitive balance – tape | 29. Solid – liquid | 52. Physical |
| 6. Chemical – physical | 30. Neptune – Venus | 53. Physical – chemical |
| 7. Ice – water vapor | 31. Earth – it's axis | 54. Liquid – solid |
| 8. Metals – nonmetals | 32. Physical | 55. Cm – m |
| 9. Physical – chemical | 33. Mars | 56. Heat – light |
| 10. Iron – copper | 34. Large mass – ruler | 57. Evaporation |
| 11. Cooling – heating | 35. Definite – shape | 58. Mass |
| 12. Iron | 36. Solid – liquid | 59. Liquid – gas |
| 13. Venus – mars | 37. Carbon (graphite) – copper | 60. Gas |
| 14. Mass – volume | 38. Heat – light | 61. Physical |
| 15. Aluminum | 39. Liquid – solid | 62. Iron |
| 16. Chemical | 40. Solid | 63. Mercury - Jupiter |
| 17. Nonmetals | 41. Metals – nonmetals | 64. Electricity |
| 18. Solid – gas | 42. Cm – m | 65. Mass – volume |
| 19. Volume | 43. Red - Blue | 66. Solid |
| 20. Summer | 44. Gas – liquid | 67. Mercury –bromine |
| 21. Mercury – Neptune | 45. Shiny – dark | 68. Jewels – carbon |
| 22. Metals | 46. Dark | 69. Dark |
| 23. Large mass | 47. Physical – chemical | |
| 24. Gas | | |

*(4) What is the function (use) of ... ?

- | | | |
|---------------------------------|--|------------------------------|
| 1. Used in Making bridges | 4. In making positive poles of Dry battery | 7. To Measure the small mass |
| 2. Used in Making Cooking pots | 5. To Measure the volume of liquid | |
| 3. Used in Making Electric wire | 6. Used in Making Jewels | |

*(5) Cross the odd word out :

- | | | |
|------------|---------------------|-------------|
| 1. Moon | 7. Burning of sugar | 11. Meter |
| 2. Sulphur | 8. Water | 12. Iron |
| 3. Mercury | 9. The sun | 13. Moon |
| 4. Moon | 10. Sulphur | 14. Moon |
| 5. Silver | | 15. Mercury |
| 6. Moon | | 16. Gram |

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

<http://bit.ly/2Rq9iYq>

✱ (6) Correct the underlined words:

- | | | |
|--------------------|-----------------------|--------------------|
| 1. Aluminum | 22. Sun | 43. 300 |
| 2. Inclined | 23. 8 | 44. Freezing |
| 3. 365 ¼ | 24. Mercury | 45. Iron |
| 4. Evaporation | 25. Neptune | 46. Gas |
| 5. Liquid | 26. Length | 47. Common balance |
| 6. Copper | 27. Melting | 48. Mass |
| 7. Gas | 28. Gas | 49. Liquid |
| 8. Air | 29. Star | 50. Melting |
| 9. Volume | 30. Mercury | 51. Gas |
| 10. Star | 31. Physical | 52. 1000 |
| 11. Common balance | 32. Metals | 53. Mercury |
| 12. Mercury | 33. Condensation | 54. length |
| 13. Melting | 34. Mercury | 55. Gas |
| 14. Volume | 35. Neptune | 56. Summer |
| 15. Copper | 36. Sensitive balance | 57. Third |
| 16. Length | 37. 100 | 58. Inclined |
| 17. Day and light | 38. Iron | 59. Mars |
| 18. Sun | 39. Gas | 60. Venus |
| 19. Chemical | 40. Cooling | 61. Coldest |
| 20. Volume | 41. Reflect | 62. Star |
| 21. Physical | 42. Three | 63. Earth |

✱ (7) Give reason for:

1. Because it has indefinite shape and indefinite volume
2. Because the earth rotate around it's axis every one day
3. Due to condensation of water vapor
4. Because it is the nearest star to us
5. Because it is good conductor of electricity
6. Because it reflect sunlight
7. Because it is good conductor of electricity
8. Because it emit heat and light
9. Because they are very far from us
10. Because it has indefinite shape and definite volume
11. Because the earth rotate around the sun every one year
12. Because it is a change in shape and structure
13. Because it is a change in shape and structure
14. Because it has mass and volume
15. Because it is good conductor of heat
16. Because it has definite shape and definite volume

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط علي الرابط التالي :

<http://bit.ly/2Rq9iYq>

* (8) What happen if:

1. The hours of day will be equal to the hours of night
2. It will make the sequence of 4 seasons
3. It will melt and change to water
4. The water will freeze and change into ice
5. It will rusts
6. It will make the sequence of day and night
7. The water will freeze and change into ice
8. The water vapor will condense and change into water
9. The lamp will not light because the sulphur is bad conductor of electricity
10. It will make the sequence of 4 seasons

* (9) Put (√) or (X) :

- | | | |
|-----------|-----------|-----------|
| 1. (X) | 20. (X) | 39. (X) |
| 2. (X) | 21. (√) | 40. (X) |
| 3. (√) | 22. (X) | 41. (X) |
| 4. (√) | 23. (√) | 42. (√) |
| 5. (√) | 24. (X) | 43. (X) |
| 6. (√) | 25. (√) | 44. (√) |
| 7. (X) | 26. (X) | 45. (X) |
| 8. (X) | 27. (X) | 46. (√) |
| 9. (X) | 28. (X) | 47. (X) |
| 10. (√) | 29. (√) | 48. (X) |
| 11. (X) | 30. (X) | 49. (X) |
| 12. (X) | 31. (√) | 50. (√) |
| 13. (√) | 32. (√) | 51. (√) |
| 14. (X) | 33. (√) | |
| 15. (√) | 34. (X) | |
| 16. (X) | 35. (√) | |
| 17. (√) | 36. (√) | |
| 18. (√) | 37. (X) | |
| 19. (√) | 38. (√) | |

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

<http://bit.ly/2Rq9iYq>

* (10) Problems :

(1) -

1 - h
5 - a2 - d
6 - c

3- f

4- e

(2) -

- a. (Venus – mars – Saturn - Neptune)
 b. (Venus – Earth – mars – Saturn – Uranus - Neptune)
 c. (Mercury – mars – Jupiter - Uranus)

(3) –

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

$$\text{Volume} = 10 \times 5 \times 2$$

$$= 100 \text{ cm}^3$$

(4) –

1 - c

2 - d

3- a

4- b

(5) –

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

$$\text{Volume} = 5 \times 2 \times 1$$

$$= 10 \text{ cm}^3$$

(6) –

1 - e

2 - b

3- c

4- a

(7) –

1 - d

2 - a

3- b

4- c

(8) –

Physical change : Dissolving of sugar – wax melting
Chemical change : wood burning – iron Rusting

(9) –

1 - mercury

2 - mars

3- Jupiter

4- neptune

(10) –

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

$$\text{Volume} = 5 \times 3 \times 1$$

$$= 15 \text{ cm}^3$$

(11) –

Stars : Shining bodies that emit heat and light
Planets : Dark objects revolve around the Sun in fixed orbits.

(12) –

1 - b

2 - c

3- e

4- a

5- f

(13) –

Solid State : iron – wood - ice
Liquid state : water – oil – milk
Gas state : water vapor – air - oxygen

(14) -

1 - d
5 - b

2 - a

3- e

4- c

(15) -

Volume = Length \times Width \times Height

$$\begin{aligned} \text{Volume} &= 5 \times 4 \times 3 \\ &= 60 \text{ cm}^3 \end{aligned}$$

(16) -

Volume = Length \times Width \times Height

$$\begin{aligned} \text{Volume} &= 3 \times 2 \times 1 \\ &= 6 \text{ cm}^3 \end{aligned}$$

(17) -

The change that is happened to the substance	kind of change
Burning wood	Chemical Change
Melting of wax	Physical Change
Iron rust	Chemical Change
Grinding of sugar	Physical Change
Rottenness of fruits	Chemical Change
Dissolving salt in water	Physical Change
Evaporation of water :	Physical Change
Melting of ice:	Physical Change

(18) -

1 - b

2 - c

3- d

4- a

(19) -

1 - c

2 - d

3- b

4- e

5- a

(20) -

1 - b

2 - a

3- d

(21) -

1 - common balance

2 - Large mass

(22) -

$$\begin{aligned} \text{Volume} &= V_2 - V_1 \\ &= 50 - 40 = 10 \text{ cm}^3 \end{aligned}$$

(23) -

$$\begin{aligned} \text{Volume} &= V_2 - V_1 \\ &= 80 - 70 = 10 \text{ cm}^3 \end{aligned}$$

لمشاهدة شرح جميع الأسئلة الهامة في شرح فيديو على يوتيوب اضغط على الرابط التالي :

<http://bit.ly/2Rq9iYq>