

March



إهداء الأستاذ / محمد عبد العاطي

بنك المجتهد

في جميع المواد لكل طالب مجتهد

SCIENCE GRAD 5

بنك الأسئلة تم اعداده طبقاً لأخر التعديلات الوزارية

إعداداً / ريهام هشام

01020034332

/Social Studies for free

لو عاوز باقي المواد تقدر توصل لها من خلال جروبنا على
فيسبوك فقط إستخدم برنامج QR Code





Science grad 5

1-is the force that pulls objects with mass toward the center of Earth.

(Gravity- mass- Magnetism)

2- When a boy moves down a slide, this is due to the force of.....

(the temperature of air -gravity - friction)

3- Without the force of gravity, the moon would off into space.

(gravity-**float**- friction)

4- Earth is pulling the moon, keeping it in its around Earth.

(**orbit**- gravity-float)

5- Earth attracts objects towards.....

(the Sun- the moon- the sky- **its center**)

6- Gravitational force of Earth is affected by

(**mass and distance**-distance only- mass and time- mass only)





7- Magnetism is a kind of force.

(attraction only- visible-**invisible**-repulsion only)

8-In contact force, the two objects need to
each other.

(attract- repel-break-**touch**)

9- Any object has mass must have

(**gravity force**-definite shape-definite color-electric
charge)

10- When an object falls or slows down, there must
be a that acts on the object.

(air resistance - **force** - friction)

11-The force that slows the movement of objects
across solids, liquids or gases is called

(air resistance - force - **friction**)

12-.....is considered as a type of friction force.

(**Air Resistance**-Magnetism-Gravity)

13- Law of Motion states that the force of gravity is
..... and acts on all objects in the same
way.



(faster -air resistance -constant)

14- When a basketball falls down from a height, it is affected by

- a. air resistance force only.
- b. gravity force only.
- c. air resistance and gravity force.
- d. air resistance and electric force.

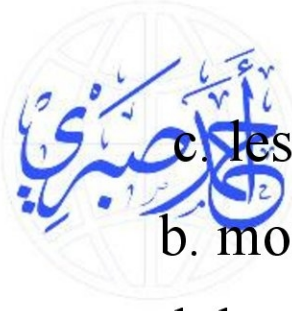
15- If there is no air resistance on Earth and we drop an iron cube and wooden cube at the same time from the same height, they will

- a. reach the floor at the same moment.
- b. reach the floor at different time.
- c. be affected by magnetic force during falling.
- d. move upward against gravity force.

16- The speed of Earth's revolution around the Sun is nearly km per hour.

- a. more than 100 ,000





- c. less than 100,000
- b. more than 200,000
- d. less than 50,000

17- is (are) the center of the solar system.

(The Earth-The moon and Earth -**The Sun**- The Sun and Earth)

18-The planets revolve around the Sun in fixed orbits.

(triangular- rectangular- irregular- **oval**)

19- Earth on its axis every 24 hours.

(revolution - **rotates** - day - night)

20- The orbiting of Earth around the Sun is called.....

(**revolution** - rotates - day - night)

21-The Earth rotates around itself once every

(24 days-365 hours-365 days -**24 hours**)

22-The Earth's axis is an imaginary line that passes through





(the two poles of Earth - the center of the moon - the center of the solar system)

23- The Sun appears as it moves from to

(east/west - north/south - west/east)

24- When half of Earth faces the Sun so, it has and the other half has

(night/night - day/night - night/day)

25- Earth's revolution around the causes the cycle of seasons.

(Jupiter - cycle - Sun)

26- The fastest rotating planet in the solar system is

(Jupiter - cycle - Sun)

27- The series of events that are repeated in the same order is called

(Jupiter - cycle - Sun)

28- The length of shadow of an object throughout the day.

(long - shortest - changes)





29- At noon, the Sun forms shadows of objects.

(long - **shortest** - changes)

30- When the Sun is low in the sky, it forms..... shadows of objects.

(**long** - shortest - changes)

31-Formation of shadows of objects happens due to

- a. revolution of Earth around the Sun.
- b. revolution of Earth around the moon.
- c. appearance of stars as they move in the sky.
- d. appearance of the Sun as it moves in the sky**

32-Ancient Egyptians invented which depends on the movement of to know the time of the day.

- a. the balance – time
- b. the sundial - time
- c. the sundial – shadows**
- d. the telescope – distance





33- The group of stars that make a certain shape in the sky is called

(solar system- universe- **constellation**- ecosystem)

34- The Sun and other stars are made up of

(hot solids-cold solids-**hot gases**-cold liquids)

35- Reaction between gases of the Sun gives off

(light and hydrogen-**light and heat**-heat and helium-comet and meteor)

36- The powerful gravitational pulling force of the Sun is related to

(the light of the moon-the light of the Sun-the mass of the moon-**the mass of the Sun**)

37- The International Space Station is considered as a type of

(binoculars-**satellites**-stars-planets)

► Put (✓) or (x):

1- We see gravity when people skydive.

(T)



2- The moon is revolving around Earth due to gravity between them.

(T)

3- The tides are affected by the gravity of the moon.

(T)

4- The planets in the solar system remain in their orbits due to gravity

(T)

5- Gravity pushes objects toward the center of Earth

(F)

6- If the mass of an object increases, its gravitational pull will increase.

(T)

7- If the distance between two objects decreases, the gravitational pull toward each other will decrease.

(F)

8- As the mass of an object increases, its gravitational attraction decrease.

(F)





9- The magnet can exert force a pull or a push force.

(T)

10- If you drop a cup to the floor, it will fall down toward the ground due to gravity.

(T)

11- Gravity does not change the object's direction.

(F)

12- All objects that have mass, must have gravity.

(T)

13- Magnet has an invisible force called magnetism.

(T)

14- Small planets have bigger gravity than big planets.

(F)

15- Force is the reason of motion of any body.

(T)

16- Gravity of Earth does not change the direction of a body that is thrown up into the air.

(F)



17- When using the bicycle brake, the bicycle stop due to the friction force between the brake and the tires.

(T)

18- Air resistance is a type of pulling force.

(F)

19- There is no air in space so, air resistance slows down the movement of objects through space.

(F)

20- Gravity is an attraction force that can be seen easily.

(F)

21- The orbit of each planet has an ellipse shape.

(T)

22- The Earth's gravity keeps all planets in their orbits.

(F)

23- The scientist Nicolaus Copernicus stated that Earth revolves around the Sun.





(T)

24- Earth takes 12 hours to make complete cycle on its axis.

(F)

25- The half of Earth's surface that faces the Sun has day.

(T)

26- The Earth revolves around the Sun once every 24 hours.

(F)

27- The Earth's axis is a real line passes through Earth's poles.

(F)

28- At the beginning of the day, the Sun appears in the west direction

(F)

29- Most of stars don't appear moving in the sky.

(F)

30- The Sun rises in the east and sets in the west.





(T)

31-Earth revolves around the Sun in an orbit.

(T)

32-If Earth stopped rotating on its axis, the cycle of day and night will happen.

(F)

33-The repetition of series of events in the same order is called cycle.

(T)

34- Earth rotates on its axis in clockwise direction.

(F)

35- The solar system includes the Sun and Earth only.

(F)

36- Earth revolves around the Sun in a fixed path.

(T)

37- Earth's rotation on its axis causes the cycle of day and night.

(T)



38-Earth's revolution causes the Sun and stars seem to move in the sky.

(F)

39-The shadow moves throughout the day on Earth due to the Sun appears to move across the sky.

(T)

40-The ancient Egyptians invented the first timepiece that used to know the time called sundial (shadow clock).

(T)

41-Ancient Egyptians were able to know the time by inventing first sundial.

(T)

42-Lengths of shadows of different objects don't change during the day.

(F)

43-Stars that we see at night sky are far away from Earth.

(T)

44-Stars seem to move across night sky.





(T)

45-Every night, new stars appear from west due to Earth's rotation on its axis.

(F)

46-We see different constellations in winter than in summer due to Earth's revolution around the Sun.

(T)

47-All constellations are visible in the sky throughout the year.

(F)

48-Moons and stars make their own light.

(F)

49- The Sun gives us heat and light.

(T)

50-The Sun is located near Earth.

(F)

3-Write the scientific term of each of the following:

1- A force that pulls object down toward the Earth's surface.





(..... gravity.)

2-A celestial body that orbits the Earth.

(..... the moon... ..)

3-A phenomenon takes place in oceans and seas due to gravity of moon.

(..... the tides.....)

4- It is a pull or a push that is applied to an object

(.....Force...)

5- means a change in the position of an object compared to another object.

(...Motion...)

6- the two objects need to contact each other for the motion of one object.

(.....contact force.....)

7-The two objects do not need to touch or contact each other for the motion of one object.

(..... noncontact force.....)

8- It is the force of attraction or repulsion between two magnets or between a magnet and an object.





(.....magnetism.....)

9- The change of an object position related to another object.

(..... motion.....)

10- The force that slows down the movement of objects through air.

(.....Air resistance.....)

11- The force by which metals are attracted or pulled to a magnet.

(.....Magnetism.....)

12- A type of friction force that opposes the movement of an object as it passes through air.

(.... Air resistance.....)

13- The tool that is used by skydiver to slow his drop.

(....Parachute.....)

14- The phenomenon that occurs due to the rotation of Earth on its axis.

(.....Day and night.....)





15- The orbiting of Earth around the Sun.

(.....Earth's revolution.....)

16- A phenomenon occurs due to Earth's revolution around the Sun.

(..... four seasons.....)

17- The Sun and eight planets revolving around it.

(..... The Solar system.....)

18- The series of events that is repeated in the same order.

(.....Cycle.....)

19- The fastest planet during its rotation on its axis.

(.....Jupiter.....)

20- The time taken by Earth to complete one rotation on its axis.

(.....Day.....)

21- It is a group of stars that forms a pattern or looks like a certain shape in the sky.

(..... Constellation.....)





22- They are giant spheres of superhot gases most of them are hydrogen and helium.

(.....Stars...)

23- He proved that the Sun is the center of our solar system.

(...Copernicus...)

24- He explained how the Sun converts matter directly into energy (light and heat) that reaches planet Earth.

(....Albert Einstein....)

4-What happens if ...?

1-The mass of the moon decreases to half.

.....the gravity of the moon will decreases

2-The distance between the moon and Earth increases to twice.

.....the gravity between them will decreases

3-You squeeze a spring then leave it free.





.....the spring will be pushed back when you leave it free

4- There is no gravity on Earth.

.....all the objects will float off into the space

5- Planets if the gravity of the Sun disappears.

..... They will float off into the space

6- The gravity pulling force between two bodies when their masses decrease.

..... The gravity pulling force will decrease

7- A metal ball and a feather are fallen down from a tower.

The metal ball will reach the ground first

8- Earth doesn't rotate on its axis.

The day and night cycle will not happen

9- Half of Earth faces the Sun.

This half will be day

10- Earth completes its spinning on its axis in 12 hours only.

The day and night will be shorter





11- The length of the shadow of an object at noon.

It will be shortest shadow

12- Stars are not made up of hot gases.

They can't make their own light

13- Sunlight falls on the moon's surface.

The moon seems bright

14- The gravity of the Sun if its mass decreases than it is now.

The gravity of the Sun will decrease

5-Give reasons for:

1-The moon is attracted to Earth.

..... **Due to the gravitational attraction between them**

2-The gravity between two objects is affected by the distance between them.

..... **because when the distance decreases the gravity between them increases**

4-The ball changes its direction after we throw it upwards.





Because gravity force always pulls it downwards.

5-Gravity of Earth is greater than gravity of the moon.

Because the mass of Earth is greater than the mass of the moon

5-Some iron nails are attracted to a magnet.

.....Because magnetism force pulls them to the magnet.

6-Skydiver opens his parachute during landing.

.....to slow down his speed.

7- Air resistance affects the movement of an object which falls from a height.

..... Because it slows down it during its falling

8- Planets revolve around the Sun in fixed orbits.

.....Due to the gravitational pulling force between the sun and planets

9-The Sun appears as it moves across the sky.

..... due to the rotation of Earth on its axis



10-Although Earth rotates on its axis, we don't feel its movement.

Because we are moving with the same speed of Earth

11-The length of the shadow of an object changes throughout the day.

Due to the change in the position of the sun in the sky

12-Stars seem to move in the sky.

Due to Earth's rotation on its axis

13-The moon appears bright in the sky at night.

Because it reflects the sunlight

14- Stars appear bright in the sky at night.

Because stars produce light

15- The Sun looks much larger to us than other stars.

Because the sun is the closest star to Earth

