

Cremetal Knowledge

Question

How can sun have such a strong gravitational field if it is made gases.

1-Sun

8 Sun is the largest object in the solar system. it contain 99.8% of the mass of the mass of solar system. it is the only source of energy to our earth. it is the heart of our solar system. it is yellow dwarf Planet. its gravitational bound holds the object of largest planets to smallest particles into orbit in debris.

2-Source of energy.

Nuclear Fusion is the source of energy in the core of sun. when the hydrogen convert into helium energy release in the form of gamma rays.

3-Composition of sun.

sun is contain 70% hydrogen and 28% helium and remaining 2% of the other matter.

Because the interior of sun is not like the interior of earth. it is not swirling plasma ball which balance the forces and pressure temperature and dense gases to make the gravitational field high inside to pull the solar material from escape.

Question 2

Explain the term energy and Dark energy?

Overview of Dark energy and matter:-

in the early 1990 there was fair creation of the expansion of universe it is stop due to gravity. But the expansion is stop due to force is slow. it is not stops the expansion. All the matter in the universe attracted by the gravity. in 1998 hubble telescope observe the distant supernovae that show that the

4- Features of Sun.

1. it is the far largest and mass of the solar system.
2. its is 432168.6 in Radius.
3. 332946 Earth match to mass of sun.
4. its Volume is 1.3 million ^{earth} needs to fill it it is 93 million away from the earth. They are divided into three types

(1) Core.

(2) Convictional Zone.

(3) Radiative Zone.

(4) Tacholine Zone

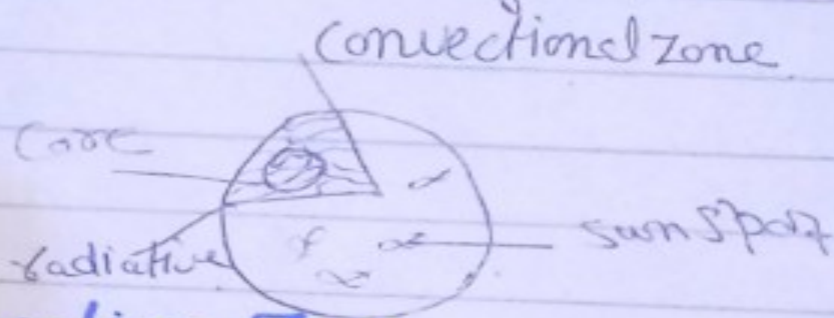
Core

The energy produced in the core Power energy and heat from the sun can emit it is slowly occurring process when sun convert the hydrogen into helium. it is the extreme condition. The temperature is 1.5 million and pressure is 250 million. its density is 150 million denser than water.

Radiative Zone.

it is around the core. its condition is same as the core. The energy produce in nuclear fusion and

travel through electromagnetic radiation. The energy travel through zone of radiation. But the particles frequently scattered through gas particles and need 1 million years to go through. The energy released from it core carried outward radiative zone it is the bounces of radiative zone.



3 Convection Zone

Convectional Zone is outer boundary of convective zone. it is 2/3 of mass 2/3 of volume. it is lower region. The energy high the surface temperature emit outward and it sink down again. The temperature decrease 350°C . Hot plasma moved upward.

4 Tachaline Zone.

it is thick layer and the layer between the convection and radiative zone.

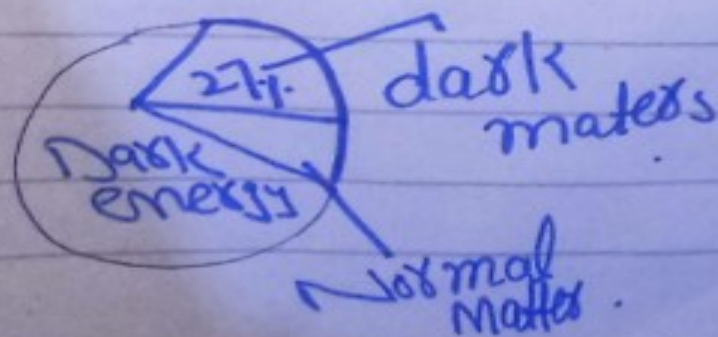
IF sun made of gases how it has strong gravitational field.

is slow is not due to gravity
But it is due to acceleration. No
one explain it But someone actually
doing this

it has three main point it is
long-discarded version of einstein
theory of gravity. Some unknown
energy fill the space. The
einstein theory of gravity have
some issues and new cosmological
theories of acceleration

Dark energy

Most is unknown and some is
known. we know how dark energy
effect the expansion of universe.
the dark energy 65%. and dark
matter 27%. and 5% of the remain
we observe see our instrument
and visible in matters it is very
small.

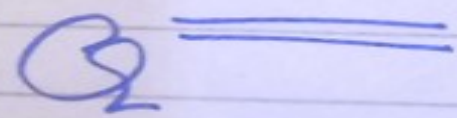


Dark matter

To form the theoretical composition scientists classify the 65% dark energy 27% dark matter and 5% Normal matter. It is not the matter we look for in planets and sun. (2) It is not the cloud of normal matter made up of baryons we know. Baryons form when the conditions pass through particles.

anti-matter.

It is not anti-matter because we do see the gamma rays pass through anti-matter inhibition.



Explain the term Black Hole? what is expected inside it.

Black Hole

It is the greatest gravitational force. Even light can not get out. It is stronger energy force which

Split the particles into small pieces it is form dying star. It is not visible in human eye. Scientists used special telescope to observe it. and the nature of stars around the Black hole.

2 How Big it is?

Scientists describe that the small size of black hole it is like one atom. but it contain the mass of sun. It is stellar remnants contain 20 time mass of sun. it is made of matter and stuff inside the object.

Many black hole contain in milky way it contain supermassive Siggittarius A* Black Hole which contain 4 million mass of sun inside. it

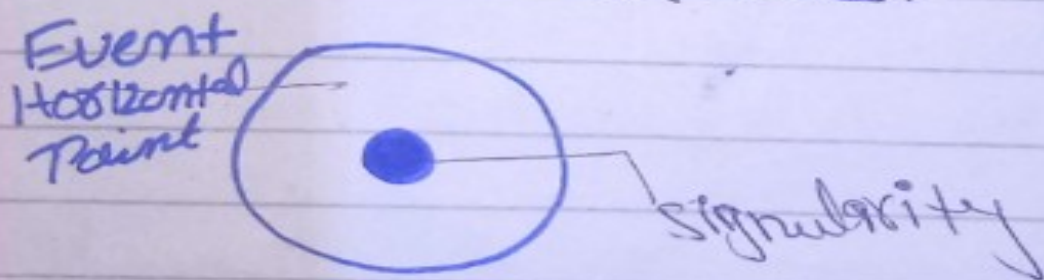
How it form?

it is believed that a small black hole form at the beghing of universe. it is form when biggest stars fall upon itself and

collapse. stars expand and break into small pieces in space form black holes

if it is black how scientist see that they are there?

it has high gravitational pull that light cannot pull out. science observe the gravitation effect on stars. when the stars and black hole closer they form high-energy light. It is ^{could} not seen in human eye. scientists use telescope and satellites to observe this high energy light.



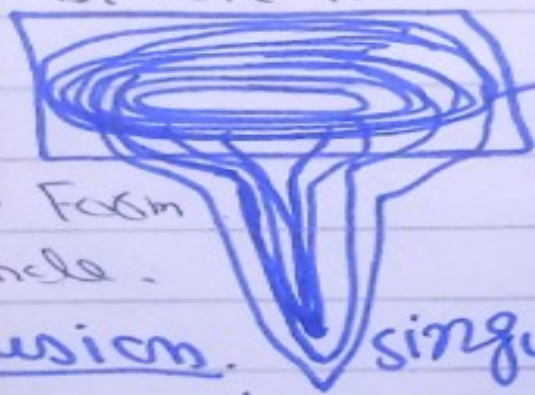
What is inside in it?

it is the point where gravity is too strong to get's anything from escape. And there at the center is singularity.

Do Black hole Destroy earth?

No it is not destroy the earth. Because it is not enough close to the earth fall in it. it is not close to space to est stars moon etc. Even it contain the mass of sun. and were take to place of sun earth cannot fall on it. Because it has gravitational force like sun. The earth and other planets orbit around it. The sun is not turn into black hole.

Sun is not big enough to form black hole.



Black Hole

Conclusion:

singularity

Black hole is a gravitational strong point in space. it is form by expanding of stars collapse it self. it is not destroy the earth. Because it is not close enough to earth.

