

BLACK HOLE

- A black hole is a region where gravity is so strong that any light and everything else that try to escape get dragged back, so you can fall into a black hole and never get out again. The black hole is therefore, by its very nature, invisible.



How is a Black Hole made?

- A black hole is made of a very large amount of matter into a very small space. Then the pull of gravity will be so strong that light will be dragged back, unable to escape.
- One way black holes are formed is when stars that have burned up their fuel explode like giant hydrogen bombs called supernovas.

HOW CAN YOU SEE A BLACK HOLE?

- You can't see it because no light can get out of a black hole. But you can detect a black hole by the way its gravity pulls on other things.
- We also see discs of gas and dust rotating about a central object that we can't see, but which we know can only be a black hole.

FALLING INTO A BLACK HOLE

- You can fall into a black hole just as you can fall into the Sun.
- If you fall in feet first, your feet will be nearer to the black hole than your head will be pulled harder by the gravity of the black hole.

GETTING OUT OF A BLACK HOLE

- People used to think nothing could ever get out of a black hole. After all that's why they were called black holes.
- Anything that fell into a black hole was thought to be lost and gone for ever; black holes would last until the end of time.

NEUTRON STAR

- A neutron star is the result of the gravitational collapse of the nucleus of a massive star, which follows the cessation of nuclear fusion reactions due to the exhaustion of the light elements inside it.
- The pressure is very intense and there are other particles inside neutron star.

