

BLACK HOLES

WHAT IS A BLACK HOLE?

A black hole is a region of spacetime exhibiting such strong gravitational effects that nothing—not even particles and electromagnetic radiation such as light—can escape from inside it.

HOW IS A BLACK HOLE FORMED?

Black holes of stellar mass are expected to form when very massive stars collapse at the end of their life cycle.

After a black hole has formed, it can continue to grow by absorbing mass from its surroundings.

HOW MANY BLACK HOLES ARE THERE?

Most stellar black holes, however, lead isolated lives and are impossible to detect. Judging from the number of stars large enough to produce such black holes, however, scientists estimate that there are as many as ten million to a billion such black holes in the Milky Way alone.

WHAT HAPPENS IN A BLACK HOLE?

There is no proven outcome of the events that occur in a black hole. Only varying theories from scientists.

