

Farthest monster black hole found 天文学家发现距地球最远的巨型黑洞

近日，天文学家发现了迄今为止已知最遥远的“超大”黑洞。这个大量吞噬其周围物质的黑洞离地球的距离为 130 亿光年。请听以下的报道。

Scientists used telescopes in Chile and Hawaii and an **orbiting NASA probe** to detect a black hole 13 billion **light years** away from Earth at the centre of a huge **luminous** object known as a **quasar**.

Researchers from the Carnegie Institution for Science say light detected from the quasar dates back to only 690 million years after **the Big Bang** when **the Universe** was emerging from a period known as **the Dark Ages**.

Writing in the journal Nature, they say the age and **sheer size** of the black hole – about 800 million times the mass of our Sun – challenges current **notions** about the **formation** of these black holes and the Universe itself.

词汇表

orbiting	在轨道上运行的...
probe	探测器
light years	光年
luminous	发亮的
quasar	类星体
the Big Bang	创世大爆炸
the Universe	宇宙
the Dark Ages	黑暗时代
sheer size	庞大的体积
notions	观念，看法
formation	形成方式，结构

测验

请听报道并回答下列问题。

1. The telescopes from how many countries were used to find this new black hole?
2. What was it that scientists saw that help them date this new black hole?
3. What measurement is used to show the distance of something that is very very far away?
4. True or false? *The black hole is similar in size to the Sun.*

答案

1. The telescopes from how many countries were used to find this new black hole?
Scientists used telescopes in Chile and Hawaii (USA).
2. What was it that scientists saw that help them date this new black hole?
They detected light from the quasar dates back to only 690 million years after the Big Bang.
3. What measurement is used to show the distance of something that is very very far away?
Light years. This black hole 13 billion light years away from Earth.
4. True or false? *The black hole is similar in size to the sun.*
False. This black hole is about 800 million times the mass of our Sun.