



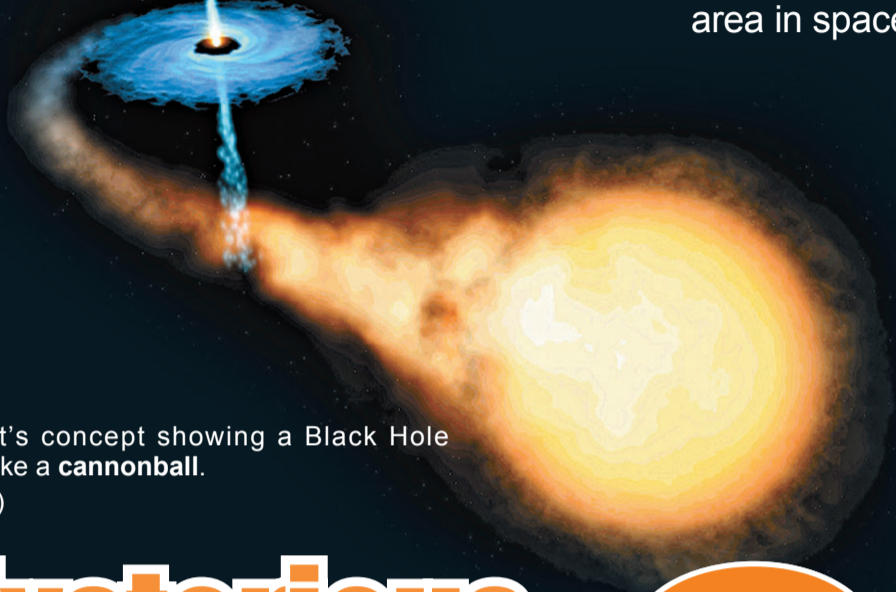
Tell Me Y



Challenge



WHAT is a **Black Hole**? It sounds horrible. Little B does not want to be **trapped** in it. Dr. Y shakes his head: "Black Hole is an area in space. It is not a trap." Let him explain.



An artist's concept showing a Black Hole hurtling like a **cannonball**. (Reuters)

Mysterious Black Hole

Can you tell me more?



Sure!



Black Hole in the galaxy

BLACK Holes are areas in space where **gravity** is so strong that nothing can escape from them. Even light cannot escape once trapped in a Black Hole. The size of a Black Hole depends on how much material is in it.

Invisible celestial body

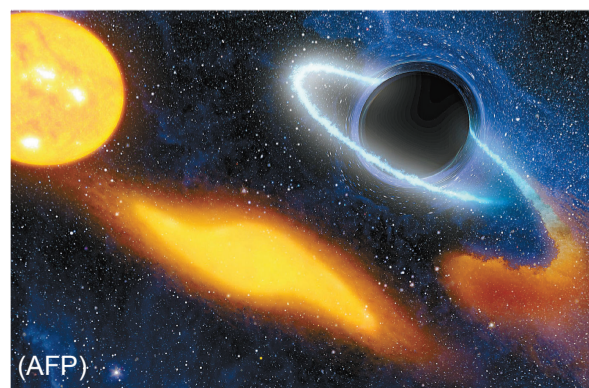
BLACK Holes are **invisible**. When gas from a star near a Black Hole is flowing towards a black spot at the speed of light, temperatures similar to those of X-rays are emitted. These X-rays can be **detected** from Earth so a Black Hole can be detected.

Wordsearch

WHICH of the following words are related to Black Holes? Search for the correct words in the puzzle.

- puzzle
- drama
- galaxy
- space
- X-rays
- train
- ghost

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|---|---|---|---|---|---|---|---|---|---|
| E | K | W | R | C | D | E | U | H | G |
| F | Z | S | N | C | D | U | R | Y | A |
| W | I | X | X | T | U | I | Z | I | L |
| C | W | E | C | A | P | S | A | W | A |
| W | O | V | H | O | W | O | Y | B | X |
| V | D | J | U | H | R | R | X | L | Y |
| V | S | V | E | F | K | P | D | Q | W |
| L | L | F | F | P | X | V | A | Z | S |
| N | X | R | A | Y | S | I | S | C | F |
| D | B | H | Y | P | N | F | T | A | S |



An artist's concept showing a super massive Black Hole in a **galaxy**. (AFP)

Learn more

THE Sky Show, *Exploring the Black Holes* is now showing at Hong Kong Space Museum. Go and watch it and learn more about the mysterious celestial body.



Answers:



Vocabulary

Black Hole (n) 黑洞
horrible (adj) 可怕的

trap (v) 困住
gravity (n) 引力

invisible (adj) 看不見的
detect (v) 發現

cannonball (n) 砲彈
galaxy (n) 銀河