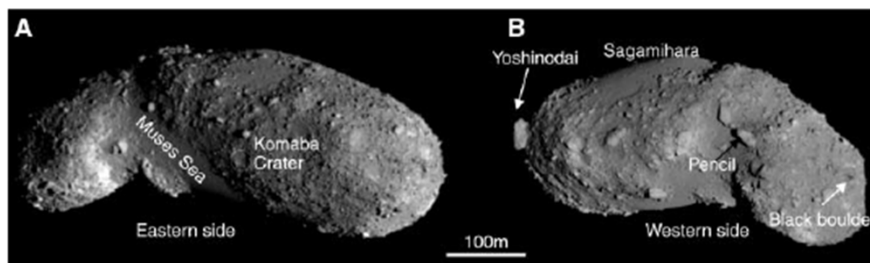


## Missouri Club—28 Feb

- Announcements
  - Send me equations to put on cheat sheet before 8:00am, Fri, 4 March.
  - Midterm test. Covers topics through comet tails (first part of 18 Feb). Does not cover Pluto and Kuiper Belt (last part of 18 Feb)
- Practice question
- Your questions

## Evaluate and interpret data

- Hayabusa landed on the S-type asteroid Itokawa.
  - Its measured density is  $1.95\text{gm/cm}^3$ .
  - Density of other S-type asteroids is  $2.6\text{gm/cm}^3$ .
  - Its size is  $540 \times 290 \times 210\text{m}$
- Is Itokawa held together by its own gravity? Explain why the density is so low. What evidence supports or contradicts your assertions?



Saito, J, et al, 2006, Science 312, 1341, "Detailed Images of Asteroid 25143 Itokawa from Hayabusa"