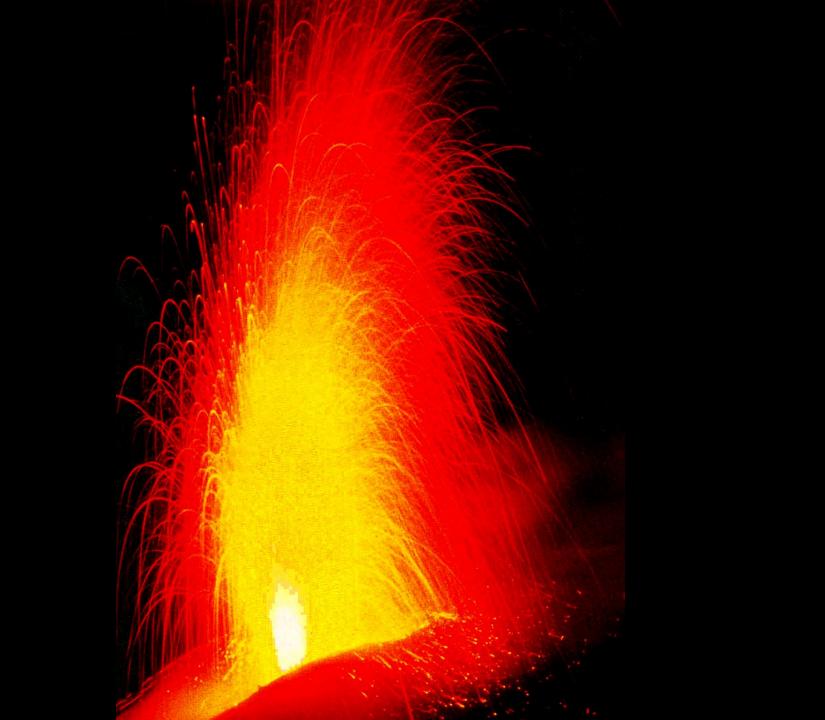
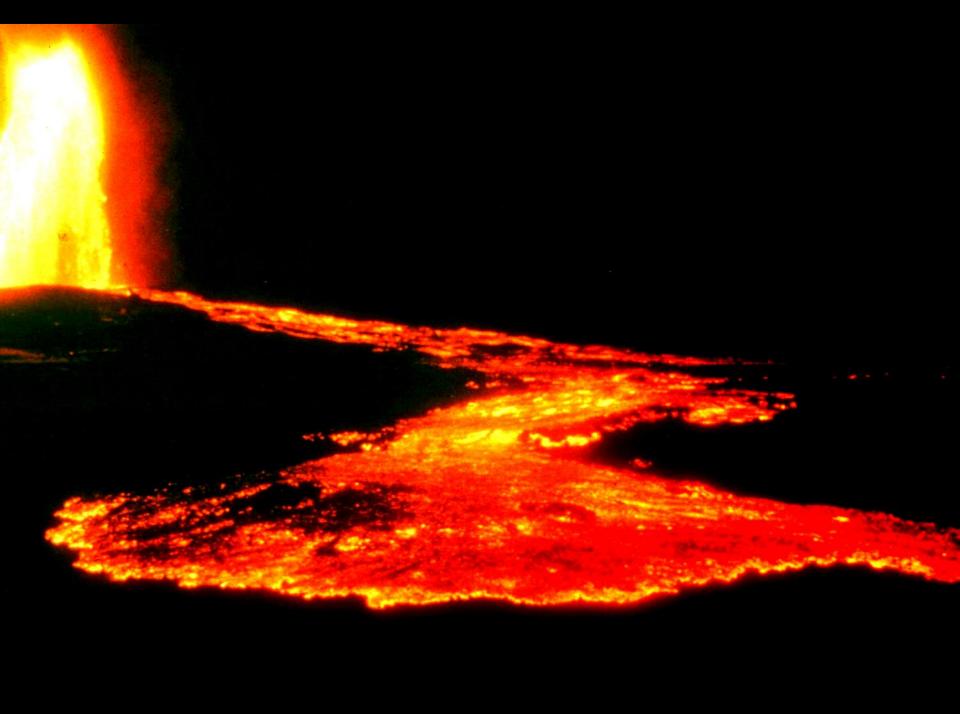


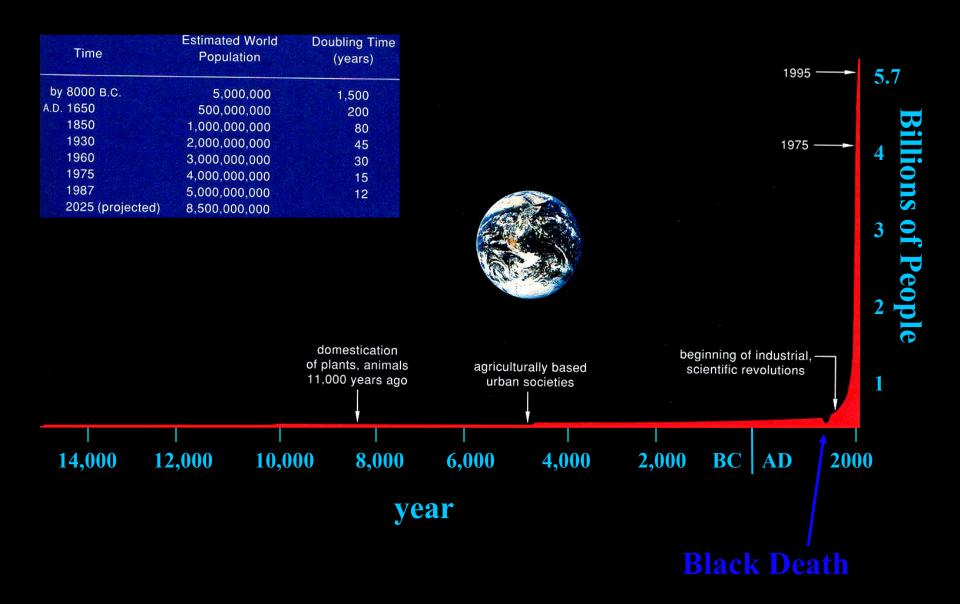


Mt Etna explodes

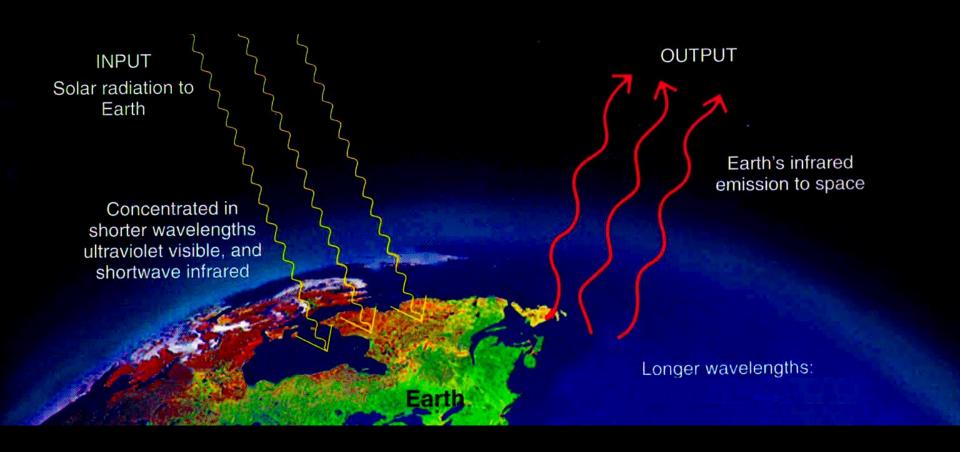


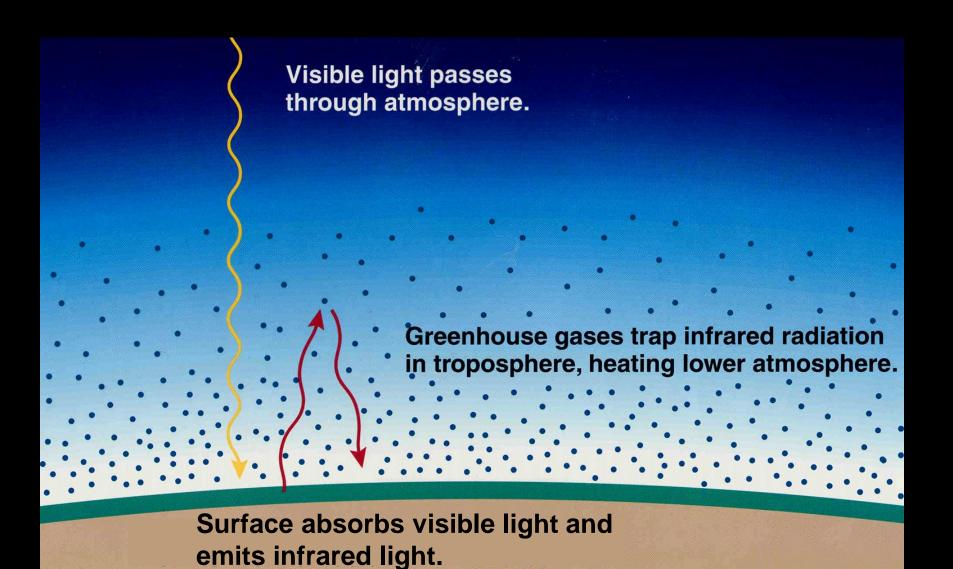


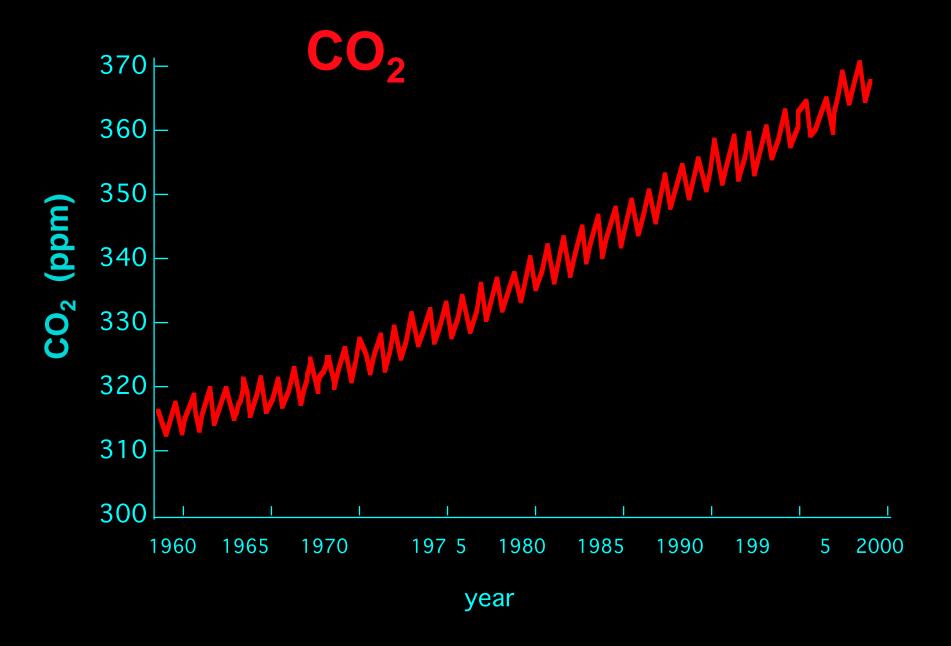


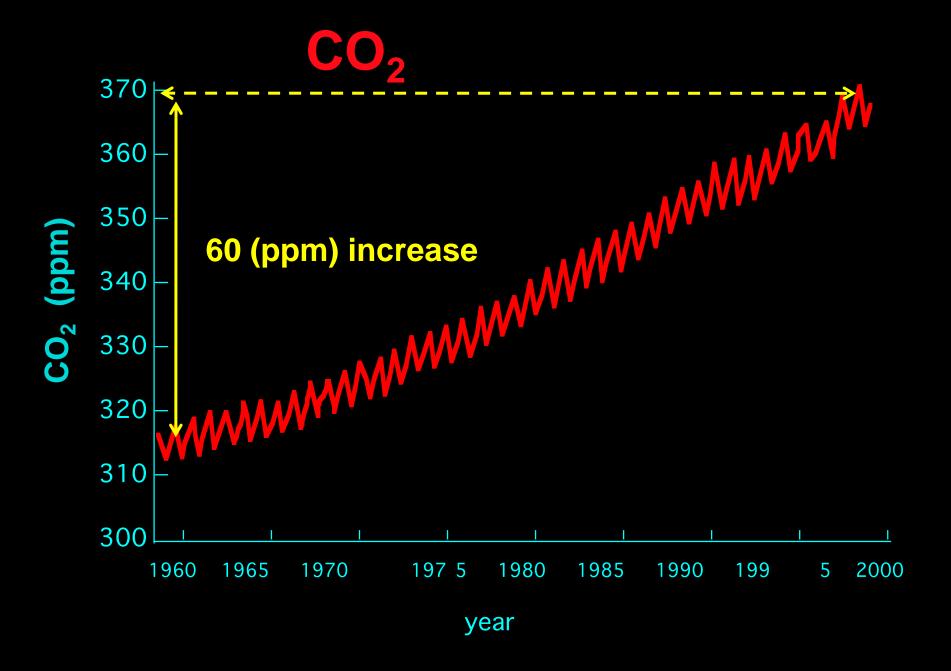








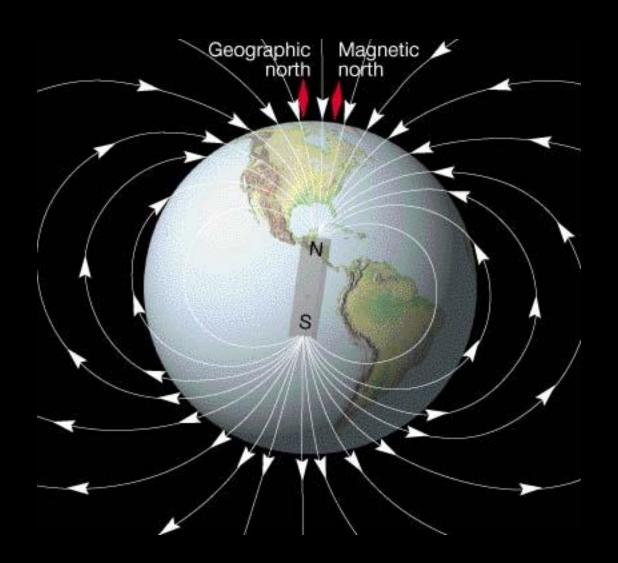


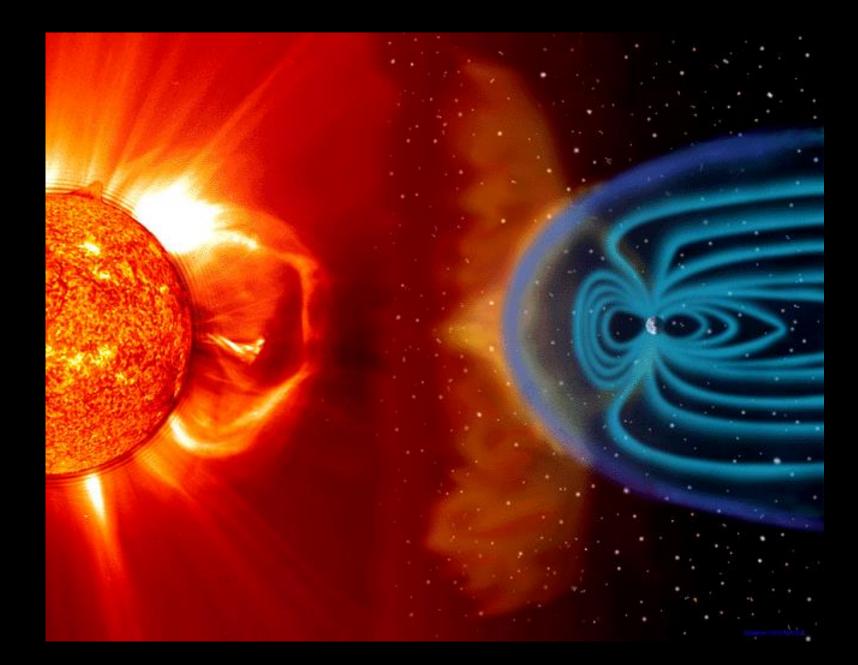


## The Earth's Magnetic Field



Geographic South Pole South Magnetic Pole\*













## Aurora Substrom - Real time motion Yellowknife, Canada, 2013.

KWON O CHUL ASTROPHOTOGRAPHY

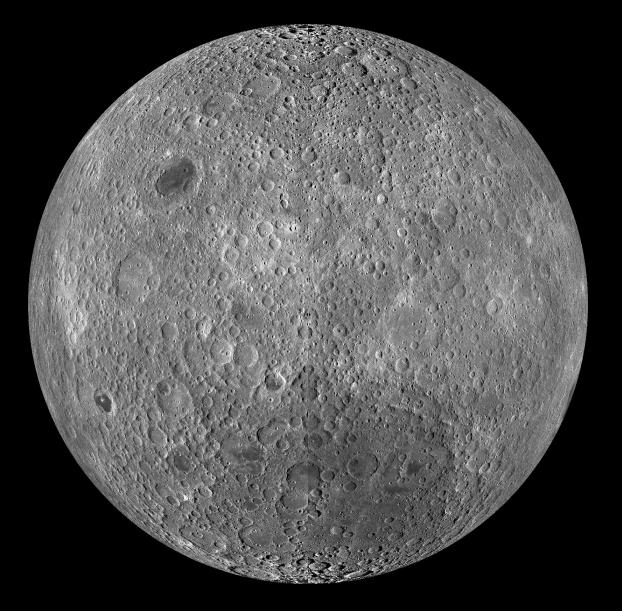


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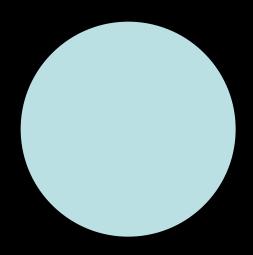
Earth's view of the Moon — only one side

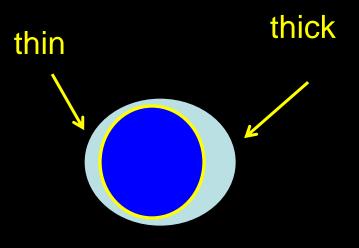


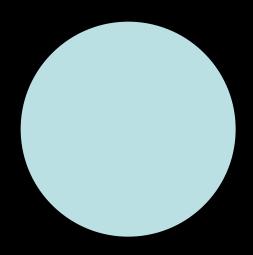
Farside of the Moon — not seen from Earth

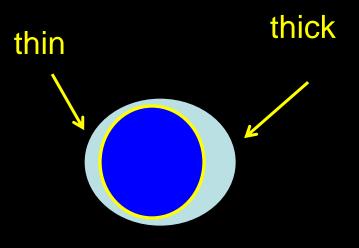


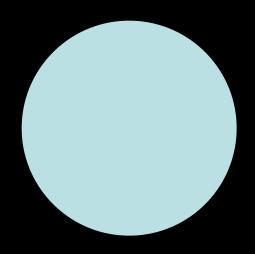
## Moon

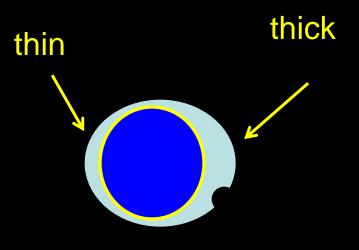


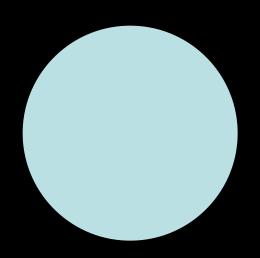


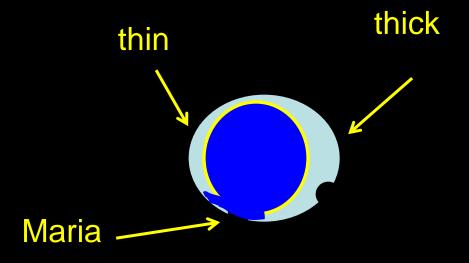


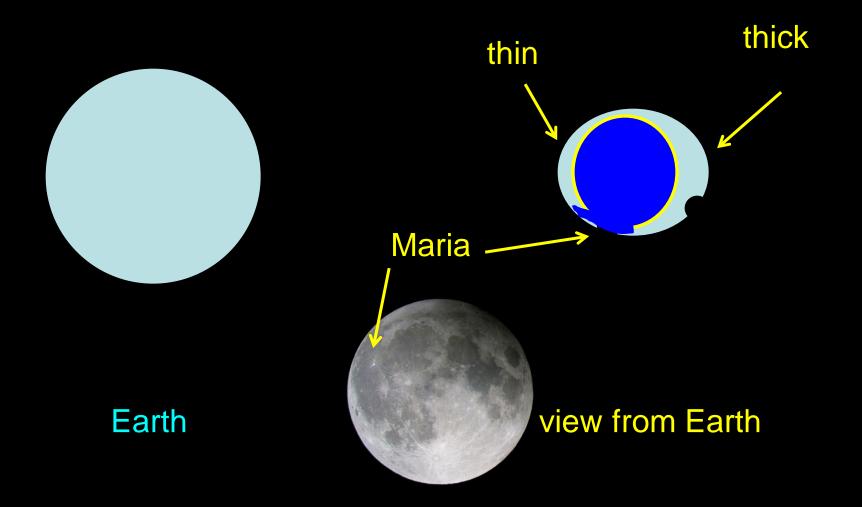


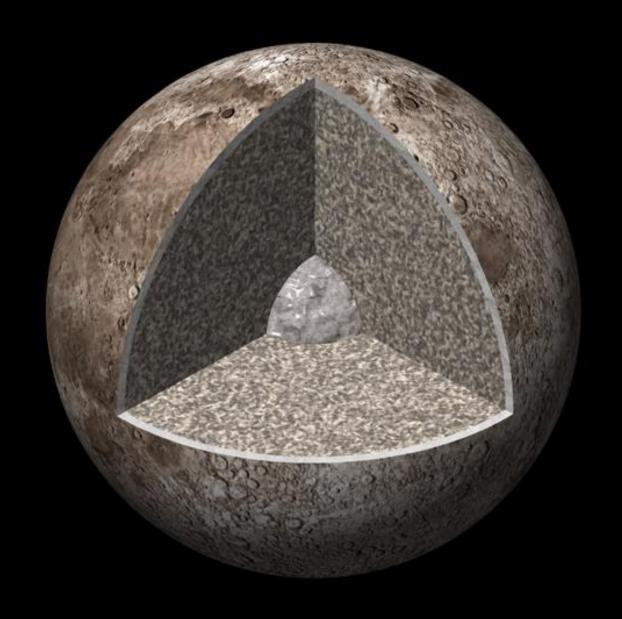






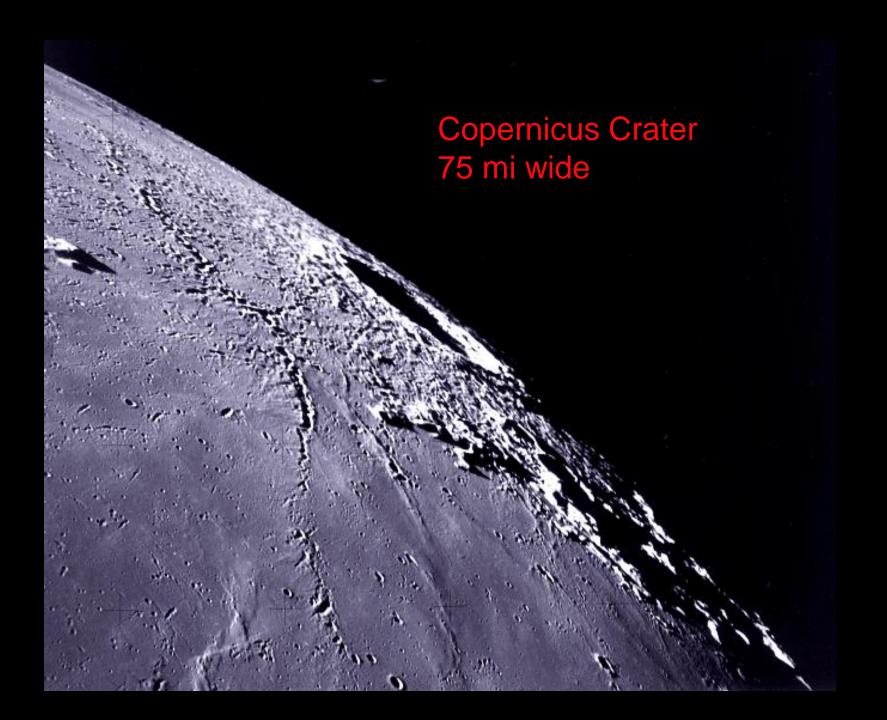




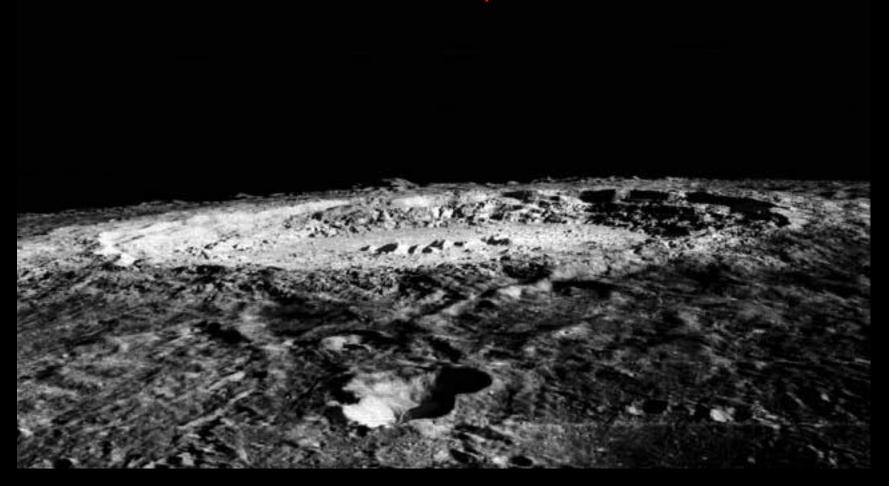






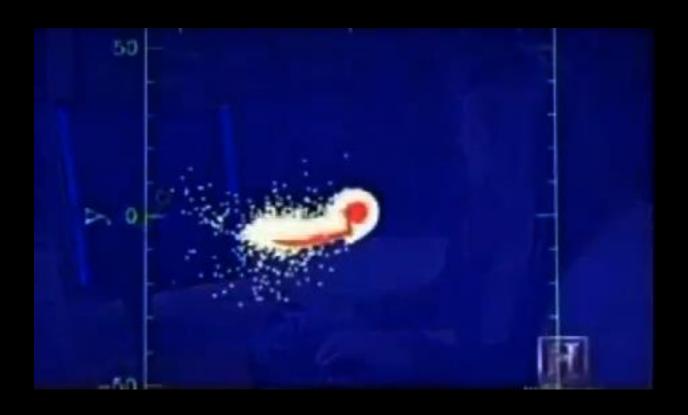


## **Copernicus Crater**





Abour 1 billion years after the solar system started to form



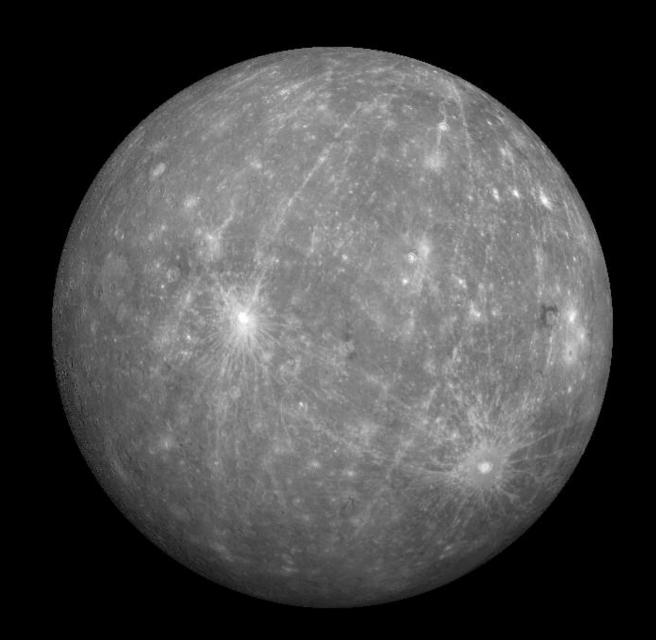
Earth's surface melted from the collision and Moon formed

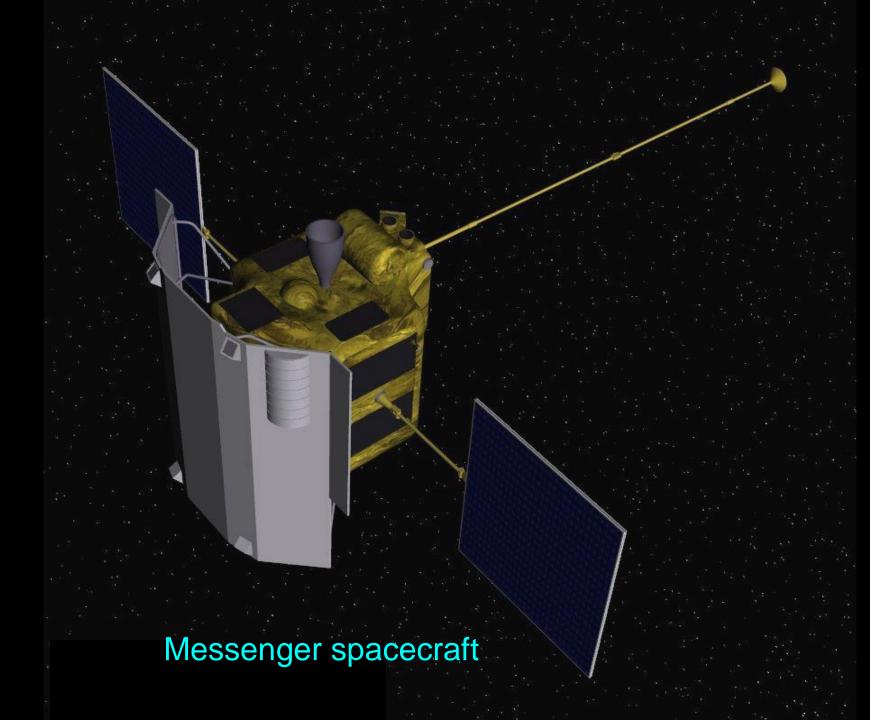
## Moon's formation:

- caused strong tides on Earth
- stabilized Earth's rotational tilt



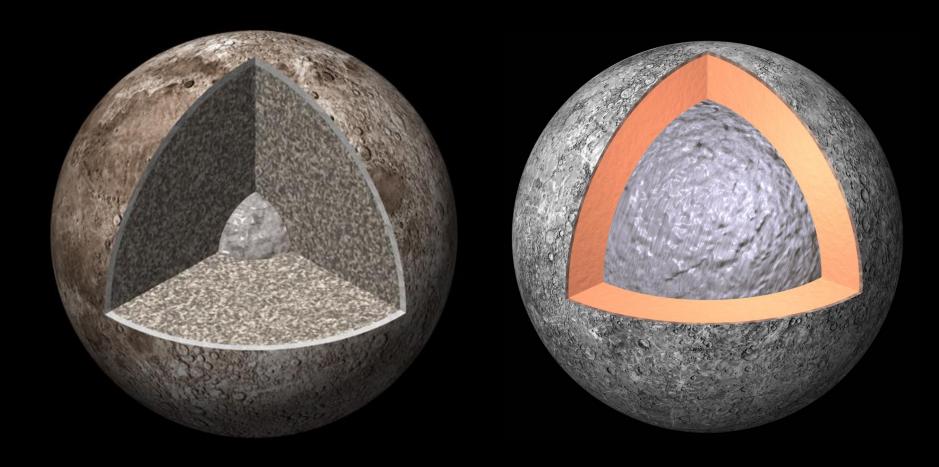
Mercury









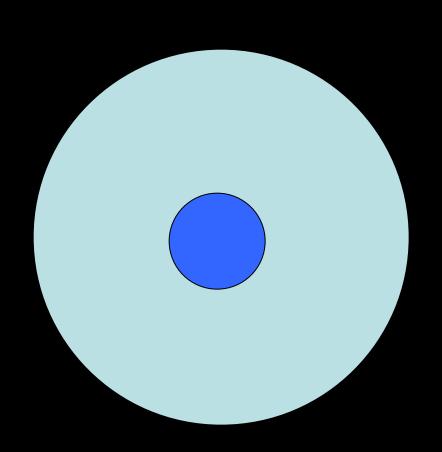


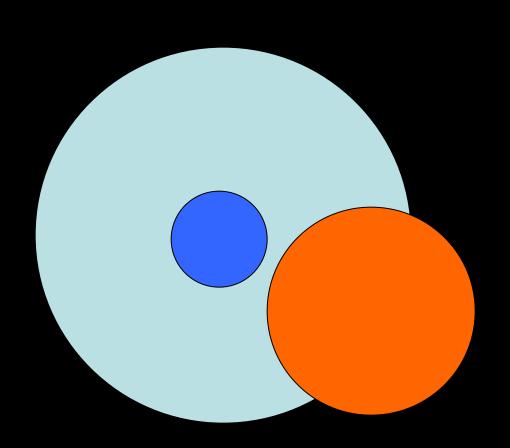
Earth's Moon

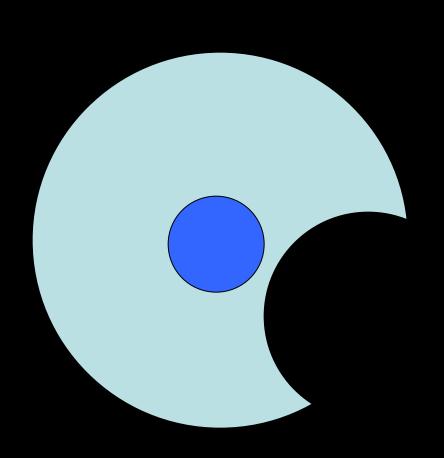
Mercury

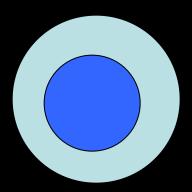




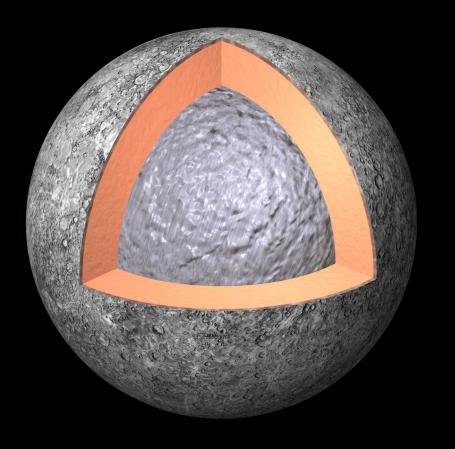








Mercury's huge core

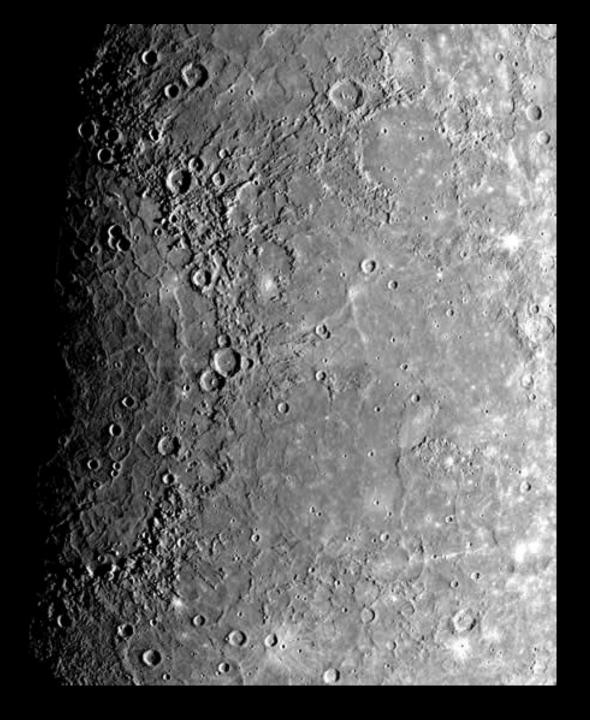


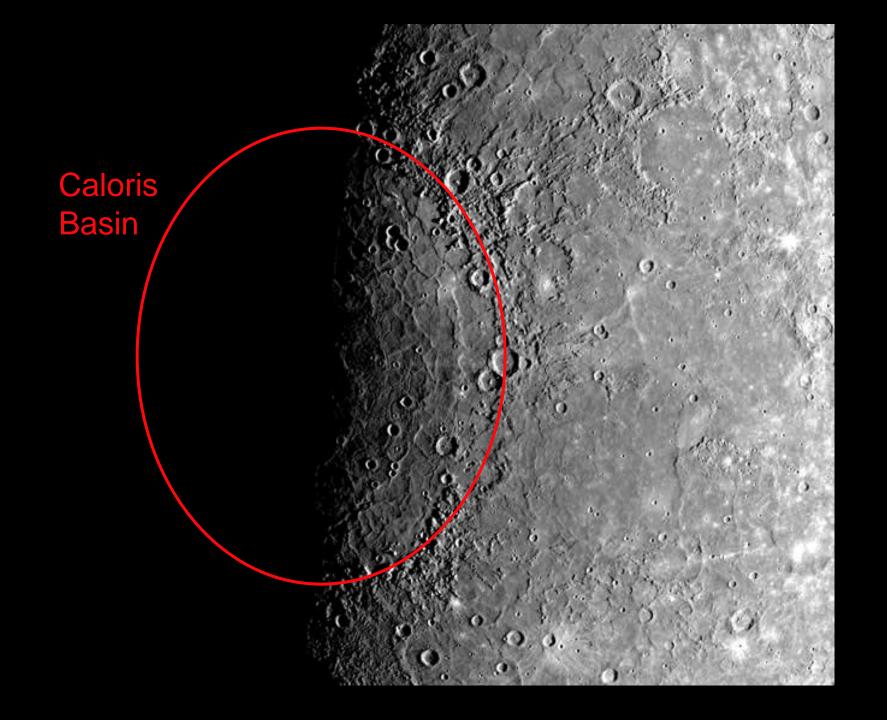
Mercury's huge core

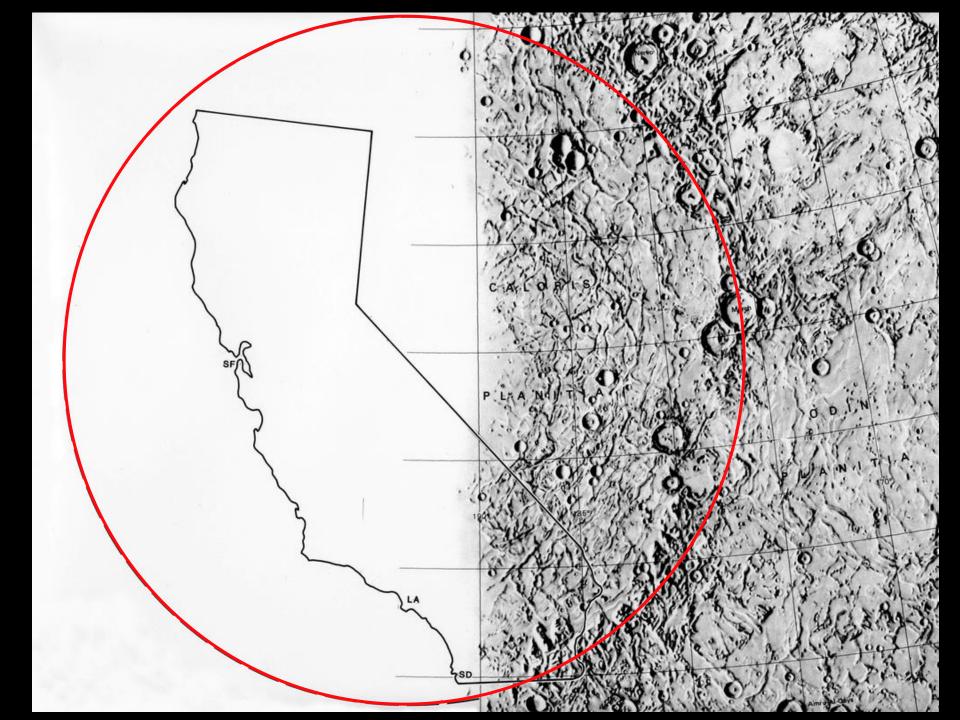
## Caloris Basin



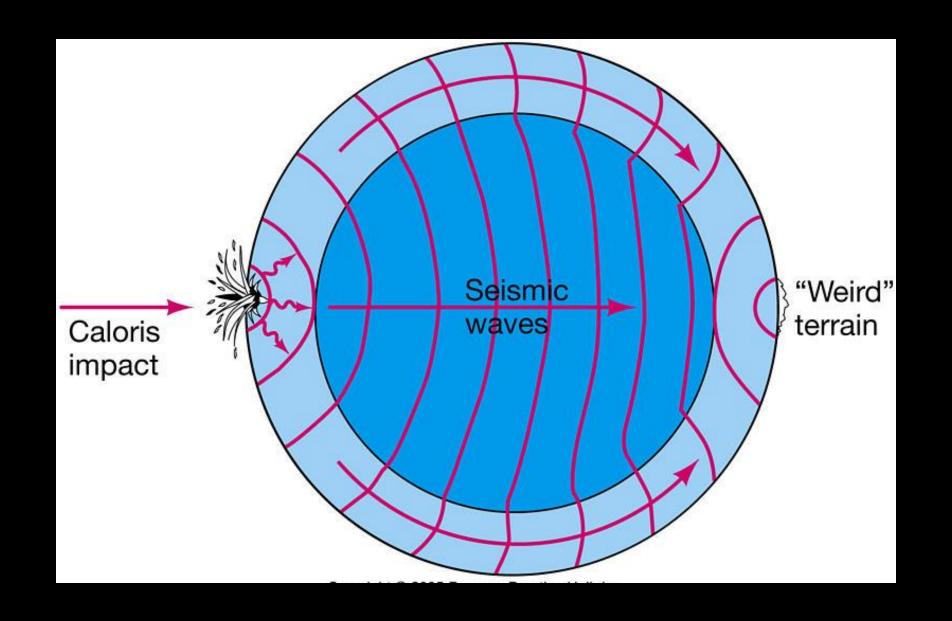
## Caloris Basin

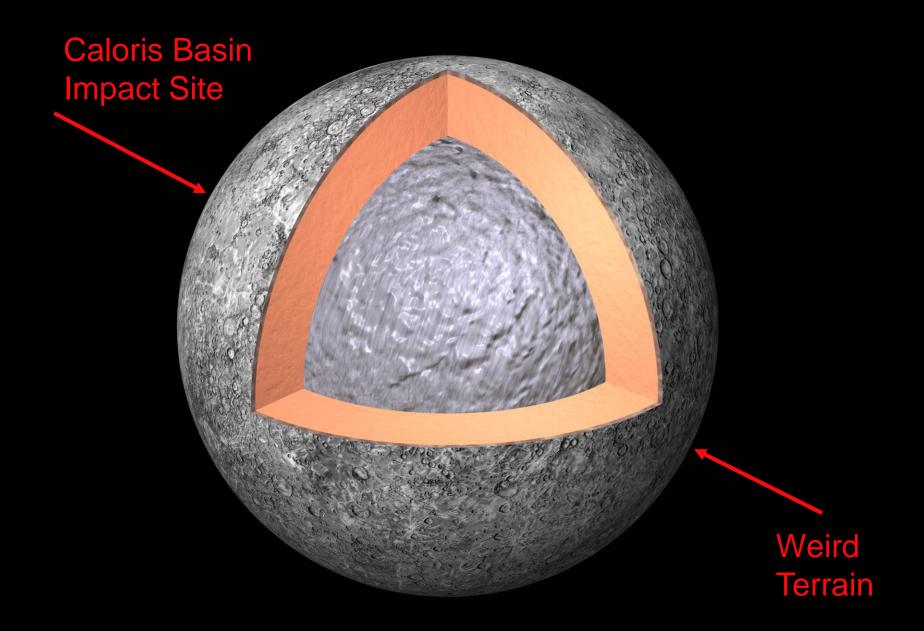


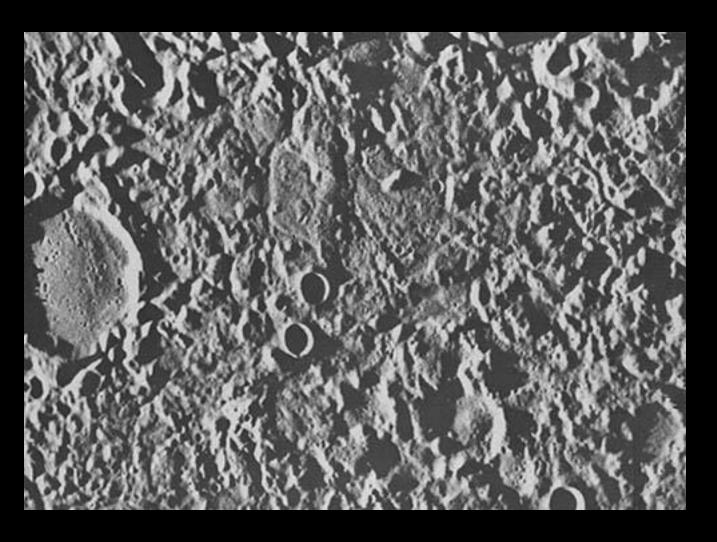












Weird Terrain