









• Escape speed from earth is 11,000 m/s. How can helium escape?

- How can helium escape from earth? By chance, a helium atom gets much more speed than the average and escapes.
  - Average 850 m/s 🦯
  - Very rare 12,000 m/s
  - On earth, each molecule get a new try every billionth of a second.
- Q: S1: It is easier to lose a lighter gas. S2: It is easier to lose gas from a hotter planet. S3: It is easier to lose gas from a more massive planet.
  - a. T T T
  - b. FTT
  - c. TFT d. TTF
  - e. Two are false

## Geological Activity elsewhere in the Solar System

- · Buckling and twisting of crust
  - Mountain building
  - Volcanoes
- · Caused by hot interiors
- · Presently occurring on
  - Earth
  - Venus
  - Mars
  - · Several moons of the giant planets
- Formerly occurred on Moon, Mercury (lava flows)



















