

Team

Rank



Fermi Questions

- | | | | |
|----|---|-----------------------------------|----------------|
| 1 | What is the gravitational force between the atoms in a deuterium molecule? | <input type="text" value="- 43"/> | N |
| 2 | How many miles are there in a light-year? | <input type="text" value="13"/> | |
| 3 | How many human heart beats occur in a year across the world? | <input type="text" value="17"/> | |
| 4 | What fraction of the Sun's energy output is intercepted by the Earth? | <input type="text" value="- 9"/> | |
| 5 | How many molecules are there in the air inside an LPO mug? | <input type="text" value="22"/> | |
| 6 | If the bacterium Physica Olympicum divides into two every 5 minutes, how many bacteria will there be after a day if none die? | <input type="text" value="87"/> | |
| 7 | What is the volume of a gold nucleus? | <input type="text" value="- 42"/> | m ³ |
| 8 | What is the volume of the Moon? | <input type="text" value="19"/> | m ³ |
| 9 | What is the mass of the Earth's atmosphere? | <input type="text" value="19"/> | kg |
| 10 | What is the absolute temperature at which hydrogen boils divided by the temperature at the core of the Sun? | <input type="text" value="- 6"/> | |
| 11 | How many humpback whales would be needed to balance a set of scales with a Saturn V rocket on the other side? | <input type="text" value="2"/> | |
| 12 | What is the momentum of a fully laden Boeing 747 jet at cruising speed? | <input type="text" value="8"/> | kg m/s |
| 13 | How many wavelengths of visible laser light fit into the distance between the Earth and the Moon? | <input type="text" value="15"/> | |
| 14 | How many people were in the Beatles? | <input type="text" value="1"/> | |