

Aurion Wilson:: March 8, 2012:: 4Th block::

Planet: Earth

Object: Ice

Diameter: 5.0 Micron

Velocity: 20.0 Kilometers per second

Results: Shooting star over the pacific ocean between South America and Australia. Collisions like this occur roughly 24.6 million times per second.

Other: The Moon

Object: Rock

Diameter: 5.0 Centimeters

Velocity: 20.0 kilometers per second

Results: Energy Released: 7 kilograms of TNT

: Crater Diameter: 1.0 meters

: Crater Depth: 0.2 meters

A Collision this large occurs roughly every 2.3 hours.

Planet: Venus

Object: Iron

Diameter: 5.0 Meters

Velocity: 20.0 Kilometers per second

Results: Shooting Star::

A Collision like this Occurs roughly once every 2 hours.

Planet: Mars

Object: Ice

Diameter: 5.0 Kilometers

Velocity: 20.0 Kilometers per second

Results: Complex Crater with Central Peak

:Energy Released: 2 million Mega Tons of TNT.

:Earthquake: Magnitude 9.9 (Largest record Earthquake: 9.5)

:Crater Diameter: 52.7 km

:Crater Depth: 1.9 km

A Collision this large Occurs roughly once every 35 million years.