

## 9.11: The Impact of Meteorites

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Meteorites can cause damage upon impact, from minor to significant. Examples of three major impacts causing significant damage in the last 100 years are included below.

### Tunguska

#### Place

- Tunguska, Krasnoyarsk | Krai, Russia

#### Date

- June 30, 1908

#### The Impact

- An air burst comet or asteroid impact damaging over some 2,150 square kilometers or 830 square miles of forested area. No meteorites were ever recovered.

### Sikhote-Alin

#### Place

- Sikhote-Alin, Primorye | Russia

#### Date

- February 12, 1947

#### The Impact

- A brighter-than-the-sun fireball announced the arrival of an air burst impactor, showering some 28 tons of meteoritic iron shrapnel on the Sikhote-Alin Mountains.

### Chelyabinsk Oblast

#### Place

- Chelyabinsk Oblast | Russia

#### Date

- February 15, 2013

#### The Impact

- 1,491 people were injured and over 7,200 buildings damaged by the air burst from this impactor, estimated to weigh 10,000 tons; numerous stone meteorites were found.

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