

How do meteor shower form?

1 Meteorites that reach the earth are **particles from the nucleus of a comet** or asteroid that can be destroyed by the following causes:

The effect of wave forces.

Transformation of the ice in the nucleus into a gaseous state by solar radiation.

Effect of centrifugal force

Collisions with other celestial bodies

2 The result of the destruction is a swarm of meteoroids that **follows the orbit of the original celestial body**, gradually spreading out along its orbit.

3 As the meteors cross the Earth's orbit, they **burn in the upper layers of the atmosphere**, leaving a flash of light visible from Earth (meteor shower).

Meteors burn at an approximate height of

120 km

11-73 km/s
penetration rate of meteors in the Earth's atmosphere.

They are extinguished at a height of approx.

70 km