	Name
Sequenc	ce the Celestial Events
follow the cl Unfortunate	ckground: Dr. Celia Nova is running a simulation to test how well students can hain of cosmic events related to meteors, comets, and their activity in space. ely, her computer scrambled the log entries! Your job is to help her reconstruct sequence for each of the two event chains.
Part 1: Fron	n Meteoroid to Meteorite
space to Ea	ix scrambled stages describing how a piece of space debris travels from outer rth. Read them carefully, then number the steps 1–6 in the correct order. Events (Lettered for clarity):
	A. The space object heats up as it passes through Earth's atmosphere, creating a bright streak of light.
	B. The object, now called a meteor, burns brightly in the sky.
	C. A small space rock or metal fragment floats freely in space-this is called a meteoroid.
	D. If the meteor doesn't completely burn up, the remaining piece lands on Earth's surface.
	E. This surviving piece is now called a meteorite.
	F. The meteoroid is pulled into Earth's atmosphere by gravity.
Part 2: How	a Comet's Tail Forms
	g steps explain what happens when a comet approaches the Sun. They're out lp fix the timeline by placing the events in the correct sequence 1–5 .
Scrambled	Events (Lettered for clarity):
	A. The solar wind pushes gas and dust away from the comet.
	B. The Sun's heat causes the comet's icy surface to vaporize.
	C. A comet from the outer solar system travels closer to the Sun.
	D. A glowing cloud called a coma forms around the nucleus.



Sun.

E. A long tail stretches out behind the comet, always pointing away from the