

Name _____ Section: _____

1. (1) A typical shooting star in a meteor shower is caused by a _____ entering the Earth's atmosphere.
 - a. pea-size particle from an asteroid
 - b. boulder-size particle from an asteroid
 - c. boulder-size particle from a comet
 - d. pea-size particle from a comet
2. (1) In the asteroid impact theory of the extinction of the dinosaurs some 65 million years ago, the dinosaurs (and over half of all the other species on the Earth at that time) died off largely because
 - a. of injuries suffered from direct hits of pieces of the asteroid or comet.
 - b. radiation from iridium in the asteroid caused the dinosaurs to die of cancer.
 - c. dust injected into the stratosphere from the impact absorbed visible light from the Sun, causing global temperatures to plummet.
 - d. dust settled on the leaves of plants, making them inedible, so the animals died of starvation.
3. (1) What is SL9?
4. (1) What happened to SL9 in 1994?
5. (1) In 1610, Galileo noticed something strange about Saturn. What was it?
6. (1) What spacecraft flew by Saturn in the early 1980s?
7. (2) How are asteroid impacts the proverbial “marsh of Camarina”?
8. (2) According to Carl Sagan in Pale Blue Dot, what is “Ivan’s Hammer”?