SPACE ROCKS!

a game of meteors, meteoroids, and meteorites

START!

Meteoroid Zone →

QUERY:
A meteoroid can be a piece of what?
a. the Moon or Mars
b. an asteroid
c. a comet
d. all of the above

QUERY:
Are meteoroids really "shooting stars"?
YES NO

QUERY:
What is a meteoroid?
a. a rock from space found on Earth
b. a small minor planet
c. a tiny particle, often no bigger than a grain of sand, orbiting around the Sun

QUERY:
What does a meteoroid sometimes become?
a. a black hole
b. a meteor
c. a planet

MOVE AHEAD 1 SPACE

You're traveling with a large cluster of other meteoroids, and you get a "group discount."

MOVE AHEAD 2 SPACES

You are a meteoroid that was formed when an asteroid hit your planet. You were chipped off and launched into space!

GO BACK 2 SPACES

You almost made it to Earth, but exploded above the ground! (hey, it happens!)

QUERY:
Meteors are often seen as what?
a. particles from space
b. fast moving streaks of light made of tiny particles of rock, dust, or ice.
c. stars

QUERY:
What are meteors incorrectly called?
a. falling stars
b. shooting stars
c. fireballs
d. all of the above

You were found by children playing in a school yard, but they didn't know you were "special."

GO BACK 1 SPACE

You landed in the jungle and monkeys are playing with you.

GO BACK 1 SPACE

You landed in a remote spot in the Australian desert where you are ready to be found, just as soon as someone comes by. . .

GOOD LUCK NEXT TIME !

OOPS!
You landed in the ocean and will probably never be found.

GO BACK 1 SPACE

You landed in Antarctica where your dark coloring makes you very visible on the white ice. CONGRATULATIONS! You will be found and carefully studied to gain clues to the age and origin of our solar system!

Where will you land?
Will you be found???

Meteorite Zone →

Earth passed through the path of a comet. Particles from the comet's trail created a meteor shower for viewers on Earth.

MOVE AHEAD 2 SPACES

QUERY:
What are the names of two famous meteor showers that occur annually?
a. the Alphas and the Omegas
b. the Leonids and the Persieds
c. the Hatfields and the McCoys

QUERY:
How many meteors could you see in a typical meteor shower?
a. 1–2
b. 1,000,000
c. between 10 and a few hundred

You are a lucky space rock that was big enough to make it through Earth's atmosphere without being vaporized. Good Job!

MOVE AHEAD 2 SPACES

Land on Earth, the Meteorite Zone

You are one of 30,000 meteorites that reaches Earth's surface each year!

The Danger Zone!
Will you be vaporized or will you survive???

— Meteor Zone →

QUERY:
What causes an "annual" meteor shower?
a. Earth passing through the debris of a particular comet in its orbit
b. favorable weather conditions
c. the birthdays of certain astronomers

Congratulations!
Today you celebrated your 4-1/2 billionth birthday!

MOVE AHEAD 2 SPACES

You just ran into a NASA Earth-observing satellite and dented its protective metal covering.

GO BACK 2 SPACES

QUERY:
A meteoroid can be made of what?
a. metal (iron and nickel)
b. stone
c. metal and stone
d. all of the above

QUERY:
Often meteoroids are what?
a. the size of planets
b. not much larger than a grain of sand
c. solid gold

QUERY:
Where do meteoroids NOT occur?
a. throughout our solar system
b. in the asteroid belt
c. on Earth

You're a meteoroid that will travel through space forever and never land!

GO BACK 2 SPACES

Enter Earth's atmosphere, the Danger Zone

Good Luck!