



1
00:00:00,000 --> 00:00:05,655
And just like that, here we
go. Welcome to SLS Trivia Live.

2
00:00:05,655 --> 00:00:10,193
Well, recorded live where we are
perfectly positioned to test

3
00:00:10,193 --> 00:00:12,996
your knowledge about America's
deep-space rocket

4
00:00:12,996 --> 00:00:16,733
the most powerful rocket ever built
the rocket that will enable a

5
00:00:16,733 --> 00:00:21,304
new era of space exploration -
the Space Launch System!

6
00:00:21,304 --> 00:00:23,140
I'm your host, Kevin O'Brien

7
00:00:23,140 --> 00:00:26,076
the Scott Kelly to your
Scott Rogowsky

8
00:00:26,076 --> 00:00:28,412
the Neil Armstrong to your
Neil Patrick Harris

9
00:00:28,412 --> 00:00:32,482
and the Sally Ride to your
Sally Jessy Raphael.

10
00:00:32,482 --> 00:00:33,550
Let's get started

11
00:00:33,550 --> 00:00:35,552

[Rocket Rumble]

12

00:00:35,552 --> 00:00:40,390

It's one small step for a man
one giant leap for trivia fans

13

00:00:40,390 --> 00:00:42,225

Now that looks beautiful

14

00:00:42,225 --> 00:00:46,029

Some traveling music maestro
and away we go

15

00:00:46,029 --> 00:00:48,865

quero numero uno

16

00:00:48,865 --> 00:00:52,302

SLS on its first flight
Exploration Mission One

17

00:00:52,302 --> 00:00:55,338

will send what uncrewed
spacecraft thousands of miles

18

00:00:55,338 --> 00:00:58,475

beyond the moon before its
safe return back to Earth?

19

00:00:58,475 --> 00:01:00,677

Is it Juno

20

00:01:00,677 --> 00:01:01,912

Orion

21

00:01:01,912 --> 00:01:03,947

or the USS Enterprise

22

00:01:03,947 --> 00:01:10,554



23

00:01:10,554 --> 00:01:15,025

Well, NASA's Juno mission
launched in 2011 and

24

00:01:15,025 --> 00:01:18,361

is currently in orbit around
and studying the composition

25

00:01:18,361 --> 00:01:20,430

of the great gas giant Jupiter.

26

00:01:20,430 --> 00:01:23,300

The Enterprise, of course,
is from Star Trek

27

00:01:23,300 --> 00:01:27,471

And SLS will launch NASA's
Orion spacecraft!

28

00:01:27,471 --> 00:01:30,941

That's right Orion is being
specially built to take humans

29

00:01:30,941 --> 00:01:32,943

farther than we've
ever gone before

30

00:01:32,943 --> 00:01:35,612

to the Moon, Mars and beyond!

31

00:01:35,612 --> 00:01:38,682

SLS is the only rocket
that can launch Orion

32

00:01:38,682 --> 00:01:42,552

and large cargo to the
Moon in a single launch.

33

00:01:42,552 --> 00:01:43,954

True story.

34

00:01:43,954 --> 00:01:49,292

Question two in three, two, one liftoff!

35

00:01:49,292 --> 00:01:52,729

From where will SLS launch,
which American state?

36

00:01:52,729 --> 00:01:53,663

Texas

37

00:01:53,663 --> 00:01:54,664

California

38

00:01:54,664 --> 00:01:55,899

or Florida

39

00:01:55,899 --> 00:01:58,702

All three are known for their
beautiful beaches and

40

00:01:58,702 --> 00:02:01,471

prominent NASA centers,
but which state will see

41

00:02:01,471 --> 00:02:03,707

the launch of the world's
most powerful rocket?

42

00:02:03,707 --> 00:02:07,677

California is home to three
NASA centers, including

43

00:02:07,677 --> 00:02:09,980

Ames, Armstrong and JPL

44

00:02:09,980 --> 00:02:12,482

and NASA's world famous
Johnson Space Center

45

00:02:12,482 --> 00:02:15,152

is located in the Lone Star
State of Texas

46

00:02:15,152 --> 00:02:18,155

but SLS will in fact launch
from the nation's

47

00:02:18,155 --> 00:02:21,858

premier multi-user spaceport
the Kennedy Space Center

48

00:02:21,858 --> 00:02:24,895

in sunny Florida, the
sunshine state.

49

00:02:24,895 --> 00:02:26,897

Q3

50

00:02:26,897 --> 00:02:29,499

How much thrust will the
SLS rocket generate

51

00:02:29,499 --> 00:02:31,401

during liftoff and ascent?

52

00:02:31,401 --> 00:02:33,336

8.8 million pounds

53

00:02:33,336 --> 00:02:35,772

7.5 million pounds

54

00:02:35,772 --> 00:02:37,507

or 5 million pounds

55

00:02:37,507 --> 00:02:40,677

The force generated to get
a rocket off the ground

56

00:02:40,677 --> 00:02:43,813

or thrust must be sufficient
to overcome the weight

57

00:02:43,813 --> 00:02:45,715

of the rocket and its payload.

58

00:02:45,715 --> 00:02:48,685

To get massive payloads and
astronauts into space

59

00:02:48,685 --> 00:02:52,155

SLS will generate a lot of thrust.

60

00:02:52,155 --> 00:02:54,591

Propelled by a pair of
solid rocket boosters

61

00:02:54,591 --> 00:03:00,764

and four RS-25 engines, SLS
will generate 8.8 million pounds

62

00:03:00,764 --> 00:03:03,066

of thrust during liftoff
and ascent!

63

00:03:03,066 --> 00:03:06,469

That's more than the
Apollo-era Saturn V rocket!

64

00:03:06,469 --> 00:03:10,473

And there you have it! Our
first SLS Trivia is in the books!

65

00:03:10,473 --> 00:03:13,109

How'd you do?

Let us know in the comments.

66

00:03:13,109 --> 00:03:16,079

Share with your friends and join us
next week for another round

67

00:03:16,079 --> 00:03:18,949

and three more questions
to test your knowledge

68

00:03:18,949 --> 00:03:22,219

of America's deep-space rocket,
the Space Launch System.

69

00:03:22,219 --> 00:03:23,920

Follow us on Twitter

70

00:03:23,920 --> 00:03:26,256

@NASA_SLS

71

00:03:26,256 --> 00:03:27,791

and on Facebook we are

72

00:03:27,791 --> 00:03:29,826

NASA's Space Launch System

73

00:03:29,826 --> 00:03:31,094

For more information visit

74

00:03:31,094 --> 00:03:33,496

NASA.gov/SLS