Period:	#:

Journey to the Edge of the Universe Video Notes https://www.youtube.com/watch?v=bVQpwxgMQCg

1.	How far away is the edge of space from the surface of the Earth?		
2.	How many astronauts have walked on the surface of the moon?		
3.	How far away from Earth is the moon?		
4.	Why are Neil Armstrong footprints still seen on the moon?		
5.	Venus is million miles from Earth.		
6.	Venus is also known as the morning star and the		
7.	What is the composition of the clouds covering Venus?		
8.	How hot is surface of Venus?		
9.	What effect causes Venus' extreme temperatures?		
10.	How cold does Mercury get at night?		
11.	How hot does Mercury get in the daytime?		
12.	Why hasn't Mercury been pulled into the Sun?		
13.	Mercury is the core remains of		
14.	If the sun burned out how long would it take to know it on Earth?		
15.	How hot is the surface of the sun?		
16.	What is a sunspot?		
17.	What will happen when the sun's fuel is spent?		
18.	What causes the tail of a comet?		
19.	Where do comets come from?		
20.	Mars is a giant		
21.	What does Mars need to protect us from the Sun's ultraviolet rays?		
22.	In what state is Mars' water?		
23.	Life is a		
24.	What is the name of the volcano that is three times higher than Mt. Everest?		
25.	Rover Opportunity found that the plains of Mars are dried		
26.	What proves that Mars is alive?		
27.	How long ago was the 'moment of creation'?		

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28. What lies just beyond Mars?	
29. How can we tell that the planets were formed 4.6 billion years ago?	
30. Jupiter's gravity pulls the apart.	
31. Jupiter is mostly made from	
32. How fast do winds on Jupiter blow?	
33. What is Jupiter's great red spot?	
34. How old is the great red spot?	
35. What causes the auroras on Jupiter's moons?	
36. What gives lo its colors?	
37. Jupiter's gravity could cause on Eurpoa, melting the ice be	elow its surface.
38. Saturn is so light it could on water.	
39. The Cassini probe picks up radio signals from Saturn's	
40. Saturn's rings are the remnants of a	
41. Which of Saturn's moons has an atmosphere?	
42. The oceans of Titan are made of liquid	
43. Why is there no life on Titan?	
44. At 700 million miles from Earth, contact is lost.	
45. Uranus' ring orientation makes it appear that Uranus had been	off it's axis.
46. Neptune is covered in gas.	
47. Neptune has a storm that is larger than Earth with winds speeds of	
48. Triton is a moon orbiting Neptune.	
49. Triton orbits Neptune in the direction of the planet's s	pin.
50. Eventually Triton will be by Neptune.	
51. The most distant thing ever seen that orbits the sun is discover	ed in 2003.
52. Sedna's orbit takes years to complete.	
53 gave us close up views of the gas giants and showed	us their moons.
54. Stephen Hawking thought it was a to identify Earth	's location on Voyager I.
55. Located 25 trillion miles from Earth, our nearest solar system is	
56. Alpha Centauri contains stars.	

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57. When miles become meaningless measurements are taken inlight years_		
58. Light travels at trillion miles per year.		
59. The star Epsilon Eridani is located just light years from Earth		
60. Star Gliese 581 is located light years from Earth		
61. Comets are and		
62. The atmosphere of Bellerophon is being by its ne	earby star.	
63. How can we prove that extra-solar planets exist?		
64. What TV show would you be able to watch 65 light years from Earth?		
65. The twin stars of Algol are also known as		
66. More than 100 light years away, its' as if never exist	sted.	
67. The brightest and biggest star seen so far is		
68. Orion's dark cloud is located light years from Earth.		
69. What is happening inside Orion's dark cloud?		
70. Vast, glowing clouds of gas where stars are born are known as		
71. The brightly colored clouds left behind from the explosion of a sun contain th	e building	
of life on Earth.		
72. The ghost of a star is a		
73. A teaspoon of matter from a White Dwarf would weigh		
74. When will our sun become a White Dwarf?		
75. The Crab Nebula is the result of a	·	
76. Gravity squeezed the giant star's core into a		
77. The pulsar is across.		
78. One pinhead of a pulsars matter could weigh hundreds or millions of		
79. There is radiation in a pulsar than in the s	un.	
80. A black hole is the remains of		
81. A black hole is than a pulsar.		
82. Light can not escape a black hole. Why?		
83. The most violent star death is called a		
84. During a hypernova: when the core collapses it becomes a		

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85. How much longer will it take for the message sent in the 1970's to reach	the great cluster?	
86. How many civilizations may exist in the Milky Way galaxy?		
87. Dark matter could make up more than of all mater in the univ	erse.	
88. Why is it thought that dark matter exists?		
89. The Andromeda galaxy is million light years awa	ıy.	
90. What could cause a galaxy to explode?		
91. How far away is the edge of the universe?		
92. The deadliest thing in the universe is a		
93. What is at the center of a quasar?		
94. At the edge of the universe, galaxies resemble primitive	in a huge	
·		
95. How long ago was the universe formed?		
96. Everything that has ever happened follows from the moment of the	·	
97. The light from the big bang is spreading out and can be heard as		