## History Channel's *Universe: The Outer Planets*

Name:		Period:	Date:						
1. Fill in the following table concerning Pluto. (6:00)									
Distance of Pluto from Earth	How many times the diameter of	How long is 1 year on Pluto?	How long is 1 day on Pluto?	How much less is Plutoos gravity	How many known moons				
HOIH Laith	Earth is Pluto?	year on Fluto:	On Fluto:	compared to	does Pluto				
	Laitii is i iuto:			Earthos?	have?				
				Laitily:	nave:				
2. What three chemical compounds make up the ice on Plutoos surface? (7:00)									
3. What are the dark areas on Pluto made of? (7:30)									
5. That are the dank areas of Flate made of Theory									
4. What is the	average temperature	on Pluto and why is	it so cold there? (8:30	0)					
5. What is the	dominant surface fea	ture on Pluto. iust as	on every other terres	strial body in the solar	system? (11:00)				
5. What is the dominant surface feature on Pluto, just as on every other terrestrial body in the solar system? (11:00)									
6. How does Plutors atmosphere replenish its icy surface? (11:30)									
7. How did the discovery of Eris by Michael Brown stir up controversy as to what the definition of a planet is? (14:30)									
7. The ward the discovery of Elis by Michael Brown still up controversy as to what the definition of a planetis: (14.50)									
8. What is the Kuiper Belt? (16:00)									
O Milest in the difference hoters on a planet and a decorf -1									
9. What is the difference between a planet and a dwarf planet? (17:30)									
10. Fill in the following table concerning Uranus. (23:00)									
Distance of	How many times	How long is 1	How long is 1 day	How much less is	How many				
Uranus from Earth	the diameter of	year on Uranus?	on Uranus?	Uranusqgravity	known moons				
	Earth is Uranus?			compared to	does Uranus				
				Earthos?	have?				

- 11. How does Uranusq98 degree tilt on its axis affect its seasons? (23:30)
- 12. What causes the blue-green color that we see on the surface of Uranus and Neptune? (24:00)

14. Why doesno	† Uranus have wild w	eather like the other	gas giant planets Jup	oiter, Saturn, and Nep	tune? (27:00)				
15. How is the r	ing formation on Ura	nus similar to the ring	g formation on Saturn	? (30:00)					
16. Fill in the following table concerning Neptune. (32:00)									
istance of leptune from arth	How many times the diameter of Earth is Neptune?	How long is 1 year on Neptune?	How long is 1 day on Neptune?	How much less is Neptunes gravity compared to Earths?	How many known moons does Neptune have?				
17. How does N 1/900 <sup>th</sup> the a	leptune have such w amount of solar radia	ild weather and the h tion that Earth does?	ighest wind speeds ir (35:00)	n the solar system wh	en it only gets				
18. How does the behavior of Neptunes Great Dark Spot explain its weather patterns? (37:00)									
19. What kinds of gases are erupted from Neptunes moon Tritons geysers? How do these gases contribute to Tritons extremely cold temperature of -390 degree Fahrenheit? (41:00)									
20. What is the likelihood that Neptunes moon Triton may have life, given that we have found similar geologic activity on Saturns moon Enceladus? (42:00)									

13. Why are Uranus and Neptune known as %ee Giants?+(26:00)