Worksheet: The Planets		n	ame:	
1. See page 636. What % of the so	olar system's mass is	contained in	the Sun?	
2. Look at the tables on page 638.	Which planet has a le	ength of day	most similar to ours	?
3. What is the "period of revolution"	' for Earth?	days .	for Neptune?	years
4. What planet takes longer to spin	on its axis than it doe	es to orbit the	Sun?	
5. List the "terrestrial planets" and t	ell why they are calle	d "terrestrial"		
6. List the "Jovian Planets" and tell	why they are called "	Jovian".		
7. List 5 differences between the te	rrestrial and the Jovia	an planets.		
8. *According to figure 22.4, why is	it not possible for our	⁻ moon and N	lercury to have an a	tmosphere?
(2 reasons)9. *Why is it so difficult for gases to	evanorate from Jovis	an nlanets?	*I lse sentences	
o. Wity to it so difficult for gases to	evaporate nom oovie	an planeto:	ose sentences.	
10. Skip to page 644. What unexpo	ected thing did the Me	essenger (sp	ace probe) learn abo	out Mercury?
11. What is the daily temperature rafor this?	ange on Mercury in do	egrees F (cal	culate it)? *What is	one reason
12. The surface of Venus is covere the topography of its surface?	d with clouds. What t	technology d	id a space probe use	e to reveal

13. *Explain the two ways that the atmosphere of Venus makes it impossible for people to be there (even with the best space suits available today).	
14. *What is one possible reason why Olympus Mons got so big?	
15. What are two reasons experts think liquid water once existed on Mars?	
16. *Explain what causes the heat that drives Jupiter's winds.	
17. *Go back to page 639 (22.3). Describe what experts think is the structure and composition of Jupiter.	
18. List the 4 largest moons of Jupiter and *tell one interesting characteristic of lo and Europa. (p. 650) Do NOT say "closest", "farthest", "biggest", "smallest".	
19. *What are the rings of Saturn made of (include range of sizes)?	
20. *What is the strangest thing about Uranus? Do NOT use the word "ecliptic" in your answer.	
21. *Explain how it was discovered that Uranus has several rings (13)? Do NOT use the word "occultation" in your answer.	
22. *Why do scientists think that Triton was "captured" by Neptune? Do NOT use the word "retrograde" in your answer!	