Name:		Date:	Period:
	The Solar System: W		?
	Readers Tl	neatre	
Characters			
Sun	Jupiter		Comets
Mercury	Saturn		Asteroids
Venus	Uranus		IAU Member
Mars	Neptune		
Earth	Pluto		
(All current planets	s are wearing signs around th	heir neck saying j	planet. Asteroids and
comets have individ	8 8	, 01	
"solar" in solar sys	tem means of the solar system, plea	That means I' ase gather around	m the boss. Since I am
	g): People used to think that g to other planets) orbited medial orbit you, Sun.	e. But then that of	darn scientist
need you closest to planets can stay a p years ago from a la	gomaniac, are you done interpolated me, please. We are assembled and in our great solar system are cloud of dust and gas call stronomical Union here with a union member.	ed here today to m, that was formed led a	determine which of you ed billion We have a member of
	onomical Union Member: (just cut to the chase because	•	_
site of nuclear	Let's just get started - so, go , where I me about yourself. Go ahea	beco	
and helium from so temperature of willing to take a be caused by bombard the sun in a total of	lace of extremes. I have no On my brig On my brig On my brig ating, as shown by the moon liment of Earth days. I'r ing me – (says with a frown) I	tht side, my surfa s a frigid -like I am qu n a pretty sad pla	ce reaches a maximum°C. I am obviously on my surface, ickest to make it around net, 'cause no one seems

Sun: Next, please.

Venus: I am named after the Roman goddess	for love and	But looks
can be deceiving because my atmosphere is e		
the gas,	This creates a	
effect, similar to what is happening on Earth.	I also have sulfuric a	acid clouds that are
responsible for high that blow fierce planet of Earth, because we are similar in size	•	
as my surface temperature is	z aliu iliass. Dut I alii .	iike Laiui willi a level,
as my surface temperature is		
Earth: (cocky) Hey guys, good to be here. Y		
One of my most unique features is the abunda		
My highest point is 8 km tall - my most (usin		
Mount My atmosphere is	s suitable for life and	is made of mostly
, oxygen and argon. It take	es me reasonable	days to make it
around you, Sun.		
Marga Hay ayya what's ym? I am Marg nam	and for the Doman ac	d of I am
Mars: Hey guys, what's up? I am Mars, name	_	
considered the last of the "Plan	t due to the presence	of entirely of rock.
Lots of people call me the Plane		
the soil. I have the largest volcano,system. Many Earthlings think I harbor alien		
yet. I do have, which could sup		
because my is tilted I have to		
Their names are and		
days to make it around you, Sun.	It takes	, me Eurui
au j = 0 11.01.10 10 01 = 01.10 j = 01, = 01.10		
Asteroids: We are small pieces of		
rather in shape. The total		
solar system roughly equal the mass of Earth		
More than 100,000 of us asteroids lie between		
the O	ui largest brother is _	·
Sun: Outer planets, who's next?		
Jupiter: (Walks up confidently with chest pu	ffed out) I'm the bull	y of the solar block,
being the largest planet, with a diameter of	kilome	eters. I am gassy – Ia
mostly composed of and	My many dif	fferent colors are
actually and my huge	e spot is a sto	orm that has been
brewing for 400 years. I am so awesome tha	at all the moons want	to hang around me. I
have at least of them. My largest		
is the most volcanically active. My two other	r large moons are	and
·		
Saturn (walking unsteadily, arms flailing out		
spin around my axis every Earth he	ours that I am quite di	IZZY. (props himself

against a desk) Ok, I feel more stable now. My most brilliant features are the numerous
that surround me, which are made of ice particles. My atmosphere is
composed of 97% of this element, which definitely won't
support the Earthlings. I have more than moons, including the largest, which I
appropriately call It takes me Earth years to make my orbit
around the sun.
Uranus: Despite what everyone says, I am not bland or boring or named after an
Earthling's body part. I may look in color, but I am not sick.
I have faint that surround me. Also interesting is the fact that my axis is
tilted nearly on its side, so my poles are directly facing the sun. And I am nearly
times as far away from the sun as Saturn is, which makes me very
in temperature.
Neptune: I look greenish-blue in color because of the presence of
gas. Like Uranus and Jupiter, I have thin, narrow rings surrounding me. While I appear
pretty non-threatening, my atmosphere has that blow nearly 1,000 miles
per hour. It was recently discovered that some of my moons have spouting
on them, just like Old Faithful in Earth's Yellowstone Park.
on unon, just and one i distinct in Zolou s 1 the result.
<i>Pluto:</i> I was named by a schoolgirl from England in the 1930s. My surface is composed
methane found in this state of matter: Even though my average
surface temperature is a chilly° C, I have a warm personality. I am really
small compared to the rest of these guys – my diameter is only
kilometers. It takes me years to orbit the sun.
Comets: We go by the nickname "dirty snowball" because we are made of frozen
and gases, but we don't particularly like this name. We have the ability to
look invisible unless I get close to you, Sun. Then your solar pushes our
gases and dust into a that is visible to Earthlings. We gather together in
the just past Pluto.
Sun: Thank you to all celestial bodies for your inspiring defense of your unique
qualities. IAU member, any comments?
quanties. 140 member, any comments:
International Astronomical Union Member: On behalf of the IAU, I extend my
appreciation for the great turnout by all of you celestial bodies. You all present your
unique and interesting characteristics well; however, the IAU determined that planets
must have specific traits. (Clears his/her throat)
First, a "planet" is a celestial body that the sun. Please step forward if
this applies to you.
(Everyone moves forward)
International Astronomical Union Member: Second, a planet must have sufficient
for its self-gravity to overcome rigid body forces so that it assumes a

hydrostatic equilibrium. This means you have a nearly sha step forward if this applies to you.	pe.	Please
(Everyone except for Asteroids & Comets)		
Asteroid: (looking at Comet): Oh darn, we won't be upgraded to planet statu	s.	
Comet: (joking) We'll need to gain some weight before the next IAU meeting	ŗ!	
(Comet and Asteroid step off to the side)		
International Astronomical Union Member: Finally, a planet must have clean around its orbit. This means it is gravitationally domin		the
(Everyone except Pluto, who is starting to cry, steps forward)		
International Astronomical Union Member: Pluto, I'm sorry, but you can n called a planet because you share your orbit with other icy bodies called I regret having to do this to you Pluto, but the matter is if we kept you, we would have to add many other planets that have characteristics similar to yours- and that would be too many for eighth grader would to mamp rise. Pluto, places hand ever your planet status. (Pluto hands	fact	of the ross the
world to memorize. Pluto, please hand over your planet status. (<i>Pluto hands sign</i>). On the bright side, now you can be a planet. (<i>Hands over no.</i>)		
Pluto: Begins to sob uncontrollably. I'll do a better job. Just one more chanc I'm begging you. I know I can do it! I can be a planet!!!	e. P	lease!?!
International Astronomical Union Member: I'm sorry. The decision is fina Until another group of scientists get together and change the definition again.		now.
Asteroid and Comet: Consoling Pluto. Poor Pluto, it's ok. We know how yo	u fe	el.
All other Planets: Tough break, Pluto, but at least you still get to be a dwarf p	olane	et.
Created by Laura Stock		