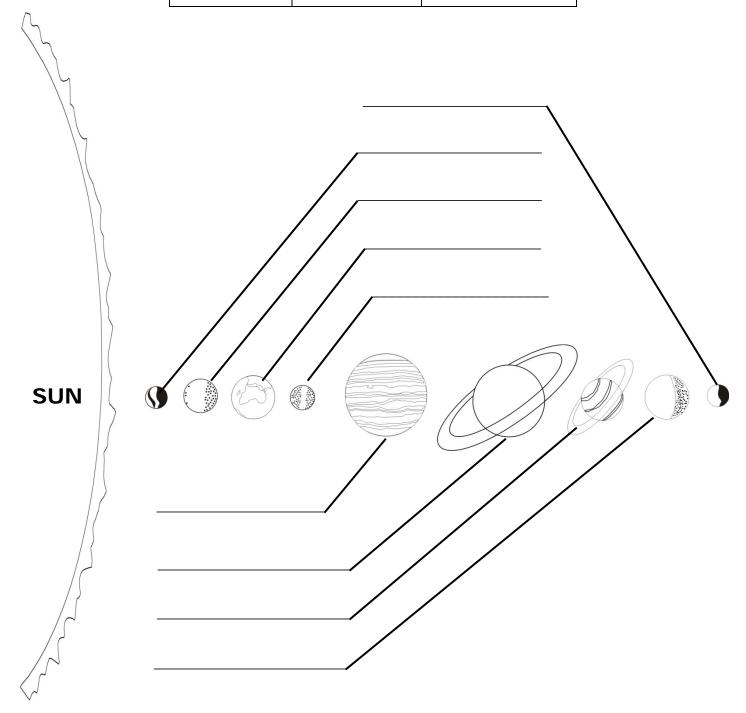
Name	Date / /
Name	Date / /

ALL THE PLANETS OF THE SOLAR SYSTEM

Provide the names for the planets shown in the diagram below using the names listed in the following table:

Earth	Mercury	Saturn
Jupiter	Neptune	Uranus
Mars	Pluto	Venus



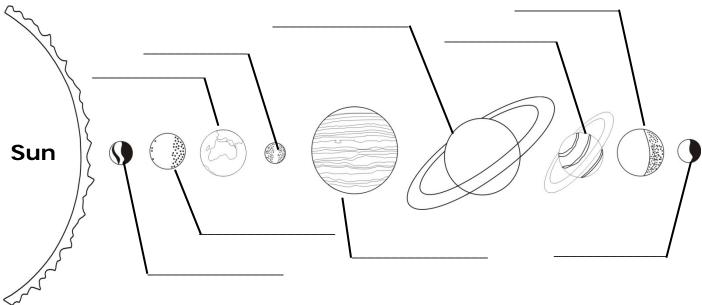
Name	Date /	/
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EXPLORING OUR SOLAR SYSTEM

Although many objects such as asteroids, comets, and meteors orbit our solar system's sun, the largest objects travelling around the sun are the planets. Use a source like an encyclopedia, your science book, or the internet to complete the chart about the nine traditional planets of our solar system below.

Planet Name	Position from the sun	Revolution time (Length of year Earth Days)	Rotation time	Known satellites	Distance From the Sun (in miles)
	1 st				
	2 nd				
	3 rd				
	4 th				
	5 th				
	6 th				
	7 th				
	8 th				
	9 th				

Provide the names of the planets on the diagram below.

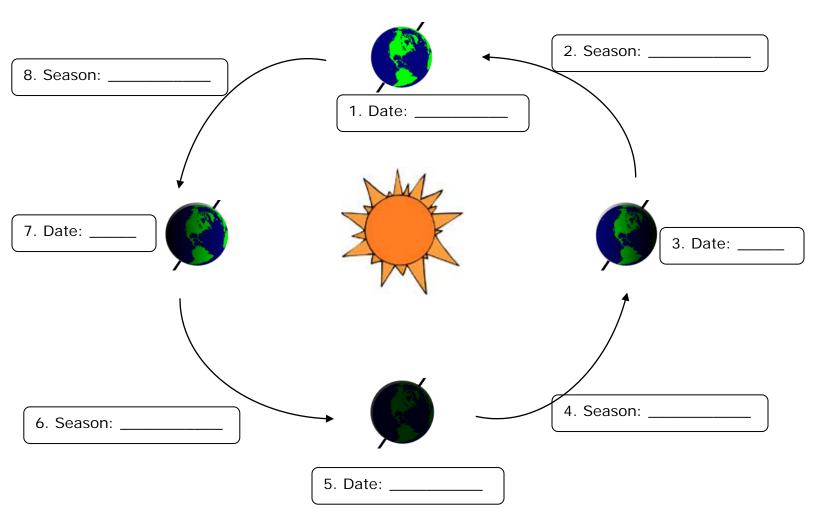


Name D	Date
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Seasons of the Year

The diagram below shows the Earth's position during different seasons throughout the year. Label the season and approximate date of each below.

Possible Dates		Possible Se	easons
December 22nd	June 21st	spring	fall
September 22nd	March 21st	winter	summer



Name	Date		
The Planet News			
Name of the planet:			
# of planet from Sun:			
# of moons:	Draw a picture of your planet.		
Where does the name of your planet of	come from?		
Planets that are neighbors:			
Distance from the Sun:	Mass/Size of planet:		
Time needed to orbit the Sun (length of planet year):			
Time needed to rotate on its axis (len	gth of planet day):		
Average temperatures: High temperature: Low temperature:			
2 Interesting facts about your planet:			
1			
2			

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Name	RATION	Date//_N AND GRAVITY, PART 1	
The Earth's fo	orce of gravity	creates an acceleration of 9.8 m/sec/sec on a freely fallin	g body.
Using the equ	vation , a = $\frac{}{}$	$\frac{V_{f}-V_{i}}{t}$, we can therefore calculate the velocity of a falling c	object at
any time if th		t .	
	Example:	What is the velocity of a rubber ball dropped from a building roof after 5 seconds?	
	Answer:	9.8 m/sec/sec = $\frac{V_f - 0}{5 \text{ sec}}$	
		$V_f = 49 \text{ m/sec}$	
Provide the a	nswers to the	questions below.	
1. What velo	ocity would a	ball dropped from a tower have after after 10 seconds?	
Answer:			
· ·	of wood drop t been falling	oped from a tall building has reached a velocity of 68.6 m/s?	s, for how
Answer:			
3. If a freely falling object currently has a velocity of 19.6 m/s, what is its velocity four seconds later?			
Answer:			
4. If a piece of stone has attained a velocity of 88.2 m/sec after falling for 8 seconds, what was its initial velocity?			
Answer:			
5. If an obje	ct is dropped,	, how long will it take to attain a velocity of 127.4 m/sec?	
Answer:			

Name	Smartphone
INAITIE	3mar tprione

Do Smartphones Cause Brain Drain?

At the McCombs School of Business at The University of Texas, 800 subjects participated in several experiments designed to gauge whether just the presence of a smartphone can reduce our ability to concentrate.



Participants were instructed to silence their phones. They were then divided randomly into three groups: the first kept their smartphones face down on the desk in front of them; the second left them in a purse or bag; and the third group left their smartphones in another room. The test results showed that the farther the participants were from their phones, the better that they performed on the test, suggesting that just the presence of a smartphone has the ability to distract us. McCombs Assistant Professor Adrian Ward describes it this way: "Your conscious mind isn't thinking about your

smartphone, but...the process of requiring yourself to not think about something uses up some of your limited cognitive resources. It's a brain drain." The aspects of our brain being drained — the things the first experiment was designed to measure — are our capacities for learning, logical reasoning, abstract thought, problem solving, and creativity.

The second experiment attempted to find a correlation between cognitive capability and the extent to which each subject felt dependent upon their phone during the course of a normal day. Participants who identified themselves as feeling the most dependent on their phones, and whose phones were within reach, performed the worst on the test.

The study concludes that being close to our phones means that we are less likely to rely on analysis and deliberation when making decisions and more likely to choose courses of action which are simple and emotionally or sensorially rewarding. They go on to suggest that voluntary separation from our smartphones can restore our ability to concentrate, and reduce our dependence on them.

Name	Smartphones
	QUESTIONS: Do Smartphones Cause Brain Drain?
1. What was	s the McCombs School of Business study designed to gauge?
2. What wer	re all participants instructed to do prior to beginning the test?
•	nts were divided randomly into three groups. What instructions were each group?
4. What did	the test results show?
5. What doe	es Adrian Ward mean by "brain drain?"
6. What asp	pects of our brain does Ward believe are being drained?
7. What was	s the second experiment attempting to find?
8. What was	s the conclusion of the McCombs experiment?