Guided Lesson Notes

Name:	Date:	
History o	f Science	
Directions: Complete this study guide as you notes, you are more likely to remember what guide can be used for practice activities and to save each study guide so you can access	t you are learning. The completed study to prepare for quizzes and exams. Be sure	
Essential Vocabulary		
As you encounter these scientific terms in the lesson, enter the meaning and an example (or two) for each. You can even draw a picture. If there are other unfamiliar words you find, enter them in the blank spaces provided.		
physics	history	
science	scientists	
discovery	philosophers	

<u>In</u>	troduction to Science	
Who were the two Greek men that made discoveries because they were curious about why certain things in their world behaved?		
2.	Why was Aristotle considered the "fat	her of philosophy"?
3.	What concept is considered to be the	birth of science?
4.	How is physics formally defined?	

Historical Figures in Physics

Match the following physicists with the discovery they are best known for:

Physicists	Discoveries	(Letter match)
a. Aristotle (335 BC)	Proved all objects fall at the same rate	
b. Copernicus (1543 AD)	Created the electric battery	
c. Galileo (1564-1642)	Created atomic theory	
d. Newton (1679)	Used logic to study motion and its causes	
e. Volta (1800)	Known for Laws of Motion and Gravitation	
f. Dalton (1802)	Proved Earth rotates around the sun	
g. Maxwell (1855-1856)	Major contributor to the field of quantum mechanics	
h. Einstein (1905)	Created models of black holes	
i. Schrödinger (1926)	Created string theory	
j. Oppenheimer (1942)	Developed the theory of relatively	
k. Hawking (1974)	Discovered electromagnetic fields	
I. Greene (1999)	Known as the "father of the atomic bomb"	

The History of Science

List five major moments in the history of science in the chart below. Include the date(s) and the discoveries associated with those moments.

Year	Describe the discovery

Order Up

Put the following discoveries in the order they were made, starting from the earliest (1) to the latest (8).		
	Black holes	
	The electric battery	
	Objects fall at the same rate	
	Earth rotates around the sun	
	Matter is made up of atoms	
	Force makes acceleration	
	The atomic bomb	
	$E = mc^2$	

Great Minds

Write the discovery that is most commonly associated with each scientist.

Scientist	Discovery
Aristotle	
Galileo	
Newton	

Volta	
Einstein	
Oppenheimer	
Hawking	