Name Block

Date Group #

**Th**[**e Times and Troubles of the Scientific Method**](http://www.youtube.com/watch?v=i8wi0QnYN6s)

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1. Define Science-
2. What is the purpose of the Scientific Method?
3. Hank’s problem is that his dog is dragging its butt across the carpet. ☹ Listen to his explanation and fill in the steps of the Scientific Method below.
	1. Question-
	2. Research-
	3. Hypothesis-
	4. Experiment (2 possible options)
		1.
		2.
	5. Analyze-
	6. Conclusion-
4. History of the Scientific Method
	1. Aristotle-
	2. Ibn-Al Haytham-
	3. Scientific Revolution (Europe 16th Century-18th Century)
		1. Galileo-
		2. Bacon-
		3. Sanches-
		4. Newton-
5. 20th Century
	1. Early Part-many important discoveries made without using the Scientific Method but through **Creativity and Serendipity**
		1. Marie Curie-
		2. Albert Einstein-
		3. Nikolai Tesla-
		4. Alan Turing-
6. Thomas Kuhn (physicist and philosopher of science)-said there was nothing wrong with the Scientific Method itself just that
7. Phases of Science (runs in a CYCLE)
	1. Normal Science-
	2. Paradigm Shift-
8. Computers
	1. Why are they considered to cause a major change in the way science is done?
	2. What will be the role of human scientists?