

Chapter 1 – Physics and the Scientific Method

Learning Grid

Physics and the Scientific Method	Questions	Answers		
	List the steps of the scientific method.			
	What is a hypothesis?			
	Why is disproving a hypothesis still valuable?			
	What is a scientific model?			
	Give three examples of scientific models.	1.	2.	3.
	How has the model of the universe changed over time?			
	What are significant figures?			

Physics and the Scientific Method	Questions	Answers	
	List three questions to ask when evaluating media-based arguments.		
	Name two types of error in experiments.		
	Give two sources of random error.		
	Give two sources of systematic error.		
	Define accuracy and precision.		
	What is correlation?		
	List and briefly describe four types of correlation.		
	How is the slope of a graph calculated?		