

5th grade FCAT 2.0 Science Study Guide



THE NATURE OF SCIENCE!

- 1.) 3 types of scientific investigations: a controlled experiment, repeated observations, or making a model
- 2.) A **control group** is used to compare the test group (the group with "treatment") to a control group with no "treatment" to see if the "treatment" in fact made a change. A control group is very important to the design of an experiment to be sure that what you are testing is actually working as suspected. For example, if you wanted to know which laundry detergent works best. You would have two types of detergent. You would control the type of fabric, the stain, the amount of time the stain sat in, the temperature of the water, the amount of time the stain is scrubbed, etc... You would also have a control group. This group would get NO detergent so you could see if detergent actually worked better than water alone with no detergent.
- 3.) It's very important for scientists to write down **EVERY** step of an investigation so they can repeat it for repeated trials so their results are reliable, **AND** so other scientists can **REPLICATE** their experiment. [Replicate means to repeat an experiment **AND** get similar or the same results.] Scientists repeat and replicate experiments of others to test validity and reliability. The more often an experiment can be replicated, the more accepted the findings.
- 4.) When you gather information about the real world through the use of your senses you are gathering **observations!**

5th Grade Science Fcat Study Guide

R Barnett



5th Grade Science Fcat Study Guide:

Show What You Know on the 5th Grade Fcat, 2007 5th Grade FCAT Parent Teacher Edition The Show What You Know on the 5th Grade FCAT Parent Teacher Edition is aligned to the Sunshine State Standards tested on the 5th Grade FCAT for Reading Mathematics and Science This edition includes teaching tips and activities to reduce test anxiety in students and reviews test taking strategies to help students succeed on the FCAT

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cause for alarm since the rich elite class needs millions of workers for low paid jobs and the less educated the better Others say that the lack of literacy is the fault of the schools and that if we double the pay of the teachers they will somehow suddenly be interested in teaching Still others say that with television and VCRs everywhere who needs to read and write anyway In this book we have collected citations sorted and indexed them in a way which we hope will be useful for those seeking further information on this topic At the beginning we offer excerpts from some of the fundamental reports summarising the dismal situation *Reading Text* Howard I. Berrent, McGraw-Hill/Contemporary, 2005 El-Hi Textbooks and Serials in Print ,2006 **Books In Print 2004-2005** Ed Bowker Staff, Staff Bowker, Ed, 2004

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