

Science Olympiad Study Guide

The test will be a mix of multiple-choice and free-response questions. It will cover five sections: Biology, Chemistry, Physics, Inquiry, and Earth/Space Science. There will be 20 questions from each section. Each section will begin with the multiple choice questions, followed by several free-response questions. **You are encouraged to bring a calculator - any type is acceptable, but if it is a programmable calculator, you are not allowed to use any self-programmed functions.** If you do not have one, we will lend you one from the school.

Don't worry if you can't answer every question! **We encourage you to prioritize sections that you are more passionate about.** Furthermore, there is **no guessing penalty**, so try and answer as many as you can. You can make the team without finishing the test, and we want to be upfront about the structure and time of the test so that students can use the test-taking strategy that benefits them the most.

The test will be primarily made of multiple choice questions with an expectation of having baseline scientific knowledge. We will not have obscure trivia questions, and we will give you all the tools, tables, and constants you need to answer the questions. For instance, we will not ask you to identify the name of a fossil. We are testing for your problem-solving ability and your application of scientific concepts, not your raw trivia knowledge.

You may bring ONE double sided 8.5" x 11" sheet of paper with information to help you on the test. You will have 50 minutes to complete as much of the test as possible.

Biology

1. Cell Structure and Function
 - a. Prokaryotic Cells
 - b. Eukaryotic Cells
 - c. Nucleus
 - d. Organelles
2. Cell Reproduction
 - a. The Cell Cycle
 - b. Mitosis
 - c. Cytokinesis
 - d. Meiosis
3. Genetics
 - a. Alleles
 - b. Punnett Squares
 - c. DNA / RNA
4. Body Systems
5. Evolution
 - a. Factors Bringing about Change
 - b. Examples of Natural Selection

Maglev Science Olympiad Study Guide

LP Steffe



Maglev Science Olympiad Study Guide:

Maglev Science Olympiad Study Guide Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Maglev Science Olympiad Study Guide**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

<http://www.armchairempire.com/data/Resources/index.jsp/How%20To%20Pray%20For%20Your%20Wife%20A%2031%20Day%20Guide.pdf>

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