

Monday, October 17th, 2022, 11:00 AM - 12:00 PM

There are 2 questions that address your submitted answers from questions one that were both low quality and incorrect. Questions will not automatically be deleted unless you state:

Lab 2: The Organization of Life and the Molecular Basis

1. The Organization of Life

How does the cellular organization of biology allow a cell to use the information in DNA?

Organism that energy is matter into components which provide used about its energy

The products of metabolic process

How do they communicate (signals)

Information is processed and organized into functional systems (proteins) that control cellular activity. Information for life

Complex structures in turn work with molecules

Information processing molecules communicate information to cells

Information control by molecules (DNA) in every form that is molecular injury, speed to form, organization

Order of cells

2. The Molecular Basis

a. What is the purpose of the scientific method?

Scientific process of gathering natural phenomena

What are the steps (and order) of the scientific method?

Observation, Hypothesis, Prediction, Experiment, Analysis of results, Conclusion

b. What is a hypothesis?

Proposed explanation of natural events

c. What is a theory?

Comprehensive explanation for a wide range of phenomena supported by many experiments

1. What is the difference between a hypothesis and a theory?

The difference is broader scope of experiments

2. Which scientist wrote and proposed a well-known testable hypothesis?

Linus Pauling

3. What scientist first used the term "molecular biology", what are the only two things proteins do in your hypothesis?

Control information, signal or support your hypothesis

4. Why are we using "genes" in hypothesis?

Genes control it would require first to test DNA, protein

# Biology 3 B Lab Wlac

**Darrell S. Vodopich, Peter H.  
Raven, George Brooks Johnson, Randy  
Moore**

### **Biology 3 B Lab Wlac:**

Who's who Among Students in American Universities and Colleges Henry Pettus Randall,1978 Who's who in America,1956 **Who's who of American Women**,1966 Accompanied by Geographical vocational index **MULS, a Union List of Serials**,1981 **Who's who in the South and Southwest**,1976 Includes names from the States of Alabama Arkansas the District of Columbia Florida Georgia Kentucky Louisiana Mississippi North Carolina Oklahoma South Carolina Tennessee Texas and Virginia and Puerto Rico and the Virgin Islands **Who's who in the Midwest**,1976 **Who's who of American Women and Women of Canada**,1966 *Two Thousand Notable Americans* American Biographical Institute,1984 *Biology 185* Robert E. Brader,Andrew B. Brader,2010-11-15 **Biology 3** Amie Mazzoni,2018 Combo: Loose Leaf The Living World w/ Lab Manual t/a Mader, Concepts of Biology George B. Johnson, Professor,2010-09-14

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Dickey,2008-08-08 *Exploring Biology in the Laboratory, 3e* Murray P Pendarvis,John L Crawley,2018-02-01 This full color comprehensive affordable introductory biology manual is appropriate for both majors and nonmajors laboratory courses All general biology topics are covered extensively and the manual is designed to be used with a minimum of outside reference material The activities emphasize the unity of all living things and the evolutionary forces that have resulted in and continue to act on the diversity that we see around us today

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