

Introduction to Biology- EXAM #1

Enter each answer in your clicker and circle it on the paper

Choose the best answer for the following multiple choice questions.

- Organs are composed of tissues, which are composed of cells. This is an example of which characteristic of life?
A. Living things grow and develop. B. Living things respond to stimuli.
C. Living things maintain themselves by homeostasis. D. Living things have levels of hierarchical organization.
- The smallest unit that has all of the characteristics of life is the:
A. cell. B. tissue. C. organ. D. organ system. E. organism.
- A fossil was once a living organism but its tissues have now been replaced by minerals and it no longer exhibits most properties of life, except for:
A. organization B. homeostasis. C. growth & reproduction D. response to stimuli.
- Outside, the non-living world is unorganized and chaotic while inside the cell or organism there is a relatively constant environment; **maintaining this environment** is a process of:
A. behavior. B. thermodynamics. C. homeostasis D. metabolism. E. adaptation.
- A kernel of corn contains an embryo plant that is capable of becoming a complex plant with roots, stalks, leaves and ears of corn. This potential reflects which property of life?
A. growth & development B. response to stimuli C. adaptation D. homeostasis E. metabolism
- Which level of biological organization is **composed of tissues**?
A. organism B. organ system C. organ D. cell E. molecules
- Which sequence correctly lists the different levels of biological organization?
A. cells-organs-tissues-organ systems-organism B. cells-tissues-organ systems-organs-organism
C. tissues-cells-organs-organ systems-organism D. tissues-organs-organ systems-organisms-cells
E. cells-tissues-organs-organ systems-organisms
- Which of the following is **NOT** true about DNA?
A. has a double helix B. bases held together by hydrogen bonds C. bases are complementary to each other
D. has a deoxyribose sugar E. contains adenine, guanine, cytosine, and uracil
- All members of **one species** within a particular area form a:
A. biosphere. B. ecosystem. C. population. D. nation. E. country.
- All **populations** in one natural setting plus their **physical environment** constitutes a(n):
A. biosphere. B. ecosystem. C. population. D. habitat. E. cohort.
- When researchers test a new human cancer drug using mice, the mice used constitute the:
A. hypothesis. B. data. C. experimental design. D. model. E. control.
- Which of the following is **not** one of the six basic elements of living organisms?
A. nitrogen B. oxygen C. chlorine D. hydrogen
- The atoms contain:
A. neutrons only B. electrons only. C. protons, neutrons, and electrons. D. protons & neutrons.
- To measure the activity of the human brain, a **RADIOACTIVE** sugar is injected in the carotid artery and is utilized by those cells that are most active. This shows up on a PET scan and demonstrates the detection of:
A. sulfur B. X-rays C. covalent bonds D. neutrons. E. isotopes.
- Which of the following molecules is **NOT** a compound?
A. water or H_2O B. salt or $NaCl$ C. Oxygen or O_2 D. glucose or $C_6H_{12}O_6$
- You can hold a water droplet between two fingertips held slightly apart. This is an example of what property?
A. cohesion of water molecules from hydrogen bonding. B. dissociation of the ionic bonding of water.
C. you are very strong. D. vibrational movement of water molecules.
- The water strider is an insect that skates across the water without sinking. The tips of its feet should be coated with molecules that repel the water or:
A. ions B. hydrophilic C. hydrophobic D. isotopes E. acidic.
- Since pure water is neutral, it contains:
A. no hydrogen ions B. neither hydrogen nor hydroxide ions. C. equal number of hydrogen and hydroxide ions

Biology Second Semester Exam Study Guide Answers

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Biology Edward C. Gruber,1963 *Newly Hired Teachers of Science* Julie A. Luft,Shannon L. Dubois,2015-12-09 Supporting newly hired science teachers has taken on an increased importance in our schools This book shares the most current information about the status of newly hired science teachers different ways in which to support newly hired science teachers and different research approaches that can provide new information about this group of teachers Chapters in the book are written by those who study the status of beginning science teachers mentor new teachers develop induction programs and research the development of new science teachers Newly Hired Teachers of Science is for administrators who have new science teachers in their schools and districts professionals who create science teacher induction programs mentors who work closely with new science teachers educational researchers interested in studying new science teachers and even new science teachers This is a comprehensive discussion about new science teachers that will be a guiding document for years to come

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General Test Guide for Civil Service Jobs Arco Publishing Company,1949 **Getting College Course Credits by Examination to Save \$\$\$** Gene R. Hawes,1979 *The Macmillan Guide to Correspondence Study* Modoc Press,1996

The Science of College Patricia Snell Herzog,Casey T. Harris,Shauna A. Morimoto,Shane W. Barker,Jill G. Wheeler,A. Justin Barnum,Terrance L. Boyd,2020 This book aids entering college students and the people who support college students in navigating college successfully In an environment of information overload where bad advice abounds this book offers readers practical tips and guidance The up to date recommendations in this book are based upon real students sound social science research and the collective experiences of faculty lecturers advisors and student support staff The central thesis of the book is that the transition to adulthood is a complex process and college is pivotal to this experience This book seeks to help young people navigate the college process The student stories in this book highlight how the challenges that college students can encounter vary in important ways based on demographics and social backgrounds Despite these varied

backgrounds getting invested in the community is crucial for college success for all students Universities have many resources available but students need to learn when to access which resources and how best to engage with people serving students through different roles and with distinct expertise There is no single template for student success Yet this book highlights common issues that many students face and provides science based advice for how to navigate college Each chapter is geared toward college students with a focus on the life stage that many entering college students are in emerging adulthood In addition to the student focused chapters the book includes an appendix for parents and for academics along with supplemental website materials of instructional activities related to the content of the book *CD-ROM Guide* ,1994

The Publishers' Trade List Annual ,1969 **Clerk, CAF-1 Through Caf-4** David Reuben Turner,1948 Librarian
Arthur Liebers,1947 *Paperbound Books in Print* ,1992 **Resources in Education** ,1989 **Instructor's Guide to**
Accompany The Enduring Vision Robert B. Grant,1996 Special Agent, Treasury Department (CAF 7 to CAF 11). David
Reuben Turner,1946 Instructor's Guide Robert B. Grant,2004

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