

- Know the 3 statements of the cell theory
  - 1. All living things are composed of cells
  - 2. All cells are produced from other cells
  - 3. Cells are the basic unit of structure and function of all living things
- Know your cell organelles – see your foldable
  - Cell / plasma membrane – selectively permeable – controls what materials/ substances enter and leave the cell
  - Nucleus – controls cellular activity
  - Mitochondria – power house – produces energy for cellular use
  - Golgi body – receives, processes, packages and stores proteins made by the rough endoplasmic reticulum
  - Endoplasmic reticulum – network of passageways that carries materials from one part of the cell to another
    - Rough – has ribosomes
    - Smooth – does not have ribosomes
  - Ribosomes- sites of protein synthesis
  - Vacuole – sac to store food, wastes, water, and other materials
  - Lysosome – small vacuole in animal cells that contain chemicals that break down food particles and worn out cell parts.
  - Centrioles – only in animal cells – involved in cell division
  - Chloroplasts – only in plant cells - organelles that capture light energy and convert it to sugar – food for the plant.
  - Large central vacuole – in plant cells is very large and stores materials like a vacuole.
  - Cell wall – only in plant cells – made of cellulose – gives the cell a rigid boxlike shape.
  - Cytoplasm – area between the cell membrane and the nucleus contains a gel like fluid and is where organelles are found.
  - Nucleolus – found in the nucleus – produces ribosomes.
  - Prokaryotic cells – have no true nucleus ; have no membrane bound organelles – only DNA, ribosomes , cytoplasm and a cell membrane and sometimes a cell wall
  - Eukaryotic cells have a membrane bound nucleus – a true nucleus and membrane bound organelles.
- Know the difference between an animal cell, a plant cell and a bacterial cell
- Animal and plant are eukaryotic cells
- Bacteria is prokaryotic
  - Animal cells have centrioles and lysosomes – plants do not
  - Plants have chloroplasts, cell wall , large central vacuole and animal cells do not
- What cell organelles are present in plant cells but not in animal cells (see above)
- What organelles are found in ALL cells –cell membrane, cytoplasm, ribosomes, DNA (not an organelle)

# Cells And Heredity Chapter 1 Vocabulary Practice Answers

**Daniel Hartl, Maryellen Ruvolo**



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**Modules** McDougal Littell Incorporated,2005      Cells and Heredity James Trefil,Rita Ann Calvo,Kenneth Cutler,2004-01-09      Discover Science: Teacher's annotated edition ,1991 Science content helps develop the skills needed to understand how science works learn new concepts solve problems and make decisions in today s technological society

Science Indiana Standards Manager Grade 6 Mcdougal Littell,2004      Genetics Daniel Hartl,Maryellen Ruvolo,2012 This textbook gives an introduction to genetics and genomics at the college level It contains a chapter on human genetic evolution Other chapters treat transmission genetics molecular genetics and evolutionary genetics and provide an understanding of the basic process of gene transmission mutation expression and regulation      **Genetics** Daniel L. Hartl,2011-08-05      **Cancer Nursing: Principles and Practice** Connie Henke Yarbro,Debra Wujcik,Barbara Holmes Gobel,2010-04-21      **GED Test For Dummies** Murray Shukyn,Dale E. Shuttleworth,Achim K. Krull,2014-08-15 Score higher on the GED with this easy to use guide Having undergone an extensive update in 2014 the current GED test covers a lot of ground In today s job environment earning a GED can give you an edge against the competition whether it s to get a new job or advance in the one you already have If you re preparing for this important exam GED Test For Dummies 3rd Edition gets you up and running on everything you can expect on test day from overviews of the test sections to invaluable reviews and test taking strategies for all the subjects covered and everything in between Inside you ll find hands on digestible information for navigating your way through the Language Arts Reading and Writing Tests Social Studies Test Mathematics Test and Science Test Whether you re looking to perfect your grammar and punctuation skills get familiar with the types of fiction and nonfiction passages you ll encounter take the fear out of math and science put the social in your studies or answer multiple choice questions with confidence this unintimidating guide makes it easy to score higher and pass this vital exam This new edition has been fully updated to reflect the latest version of the GED Supplies the information test taking tips and 2 full length practice tests to help maximize your score Offers clear overviews of all the topics covered on the GED Includes special considerations if English is your second language It s all at your fingertips Prepare for the test improve your chances of success and increase your earning power and job prospects with the help of GED Test For Dummies 3rd Edition      *GED Science For Dummies* Murray Shukyn,Achim K. Krull,2015-09-23 Passing the GED Science Test has never been easier Does the thought of taking the GED Science Test make you sweat Fear not With the help of GED Science Test For Dummies you ll get up to speed on the new structure and computer based format of the GED and gain the confidence and know how to pass the Science Test like a pro Packed with helpful guidance and instruction this hands on test prep guide covers the concepts covered onthe GED Science Test and gives you ample practice opportunities to assess your understanding of Life Science Physical Science and Earth and Space Science Designed to test your understanding of the fundamentals of science reasoning and the ability to apply those fundamentals in realistic situations the GED Science Test can be tough for the uninitiated Luckily this fun and

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