

# Cell Structure and Function • Guided Reading and Study

## Looking Inside Cells (continued)

10. In the table below, describe the function of each organelle in the cytoplasm.

Organelles in Cytoplasm	
Organelle	Function
Mitochondria	Convert energy in food molecules to energy the cell can use to carry out its functions.
Endoplasmic reticulum	Carry proteins and other materials from one part of the cell to another.
Ribosomes	Produce proteins
Golgi bodies	Receive proteins + other materials from the E.R., package them and distribute them.
Chloroplasts	Capture energy from sunlight and use it to produce food for the cell.
Vacuoles	Store food, water and waste.
Lysosomes	Contain chemicals that break down food, old cell parts and <del>the</del> release substances so they can be used again.

### Specialized Cells

11. The structure of each kind of body cell is suited to its function.

### Bacterial Cells

12. Circle the letter of each sentence that is true about bacterial cells.
- Bacterial cells are larger than plant or animal cells.
  - ☒ Bacterial cells have a cell wall and a cell membrane.
  - ☒ Bacterial cells do not have a nucleus.
  - Bacterial cells do not have genetic material.

cells form tissues that form organs that are part of organ systems that make up an organism.

# Answer Sheet Looking Inside Cells

**Sabine Zange**



## Answer Sheet Looking Inside Cells:

*Looking Inside Cells* Kimberly Fekany Lee, 2007-12-14 This fascinating book is part of the Life Sciences Readers for students in Upper Primary School A detailed look into the life of a cell including the structure parts and influential people in the study of cell theory Did you know that the average human body contains more than 75 trillion cells Contents Looking at Cells Moving In and Out of Cells Inside the Cell Cell Movement Cytoskeleton Making More Cells Appendices Lab Make Your Own Light Microscope Glossary Index Sally Ride Science I Prentice Hall Science Explorer: Teacher's ed, 2005 **LBL**

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Isaacson, 2021-03-09 The best selling author of Leonardo da Vinci and Steve Jobs returns In 2012 Nobel Prize winning scientist Jennifer Doudna hit upon an invention that will transform the future of the human race an easy to use tool that can edit DNA Known as CRISPR it opened a brave new world of medical miracles and moral questions It has already been deployed to cure deadly diseases fight the coronavirus pandemic of 2020 and make inheritable changes in the genes of babies But what does that mean for humanity Should we be hacking our own DNA to make us less susceptible to disease Should we democratise the technology that would allow parents to enhance their kids After discovering this CRISPR Doudna is now wrestling these even bigger issues THE CODE BREAKERS is an examination of how life as we know it is about to change and a brilliant portrayal of the woman leading the way **Nature** Sir Norman Lockyer, 1896 **Nature**, 1891

School Education, 1894 **Gleanings in Bee Culture**, 1896 *Pharmaceutical Journal*, 1897 The Pharmaceutical Journal, 1896 *Parliamentary Papers* Great Britain. Parliament. House of Commons, 1879 The Cultivator & Country Gentleman, 1889 The farm the garden the fireside *English Mechanic and Mirror of Science*, 1882 Your Body In Balance Neal Barnard, 2020-10-29 Readers love Dr Neal Barnard's work over 1000 5 star reviews for Your Body In Balance An excellent book I loved it Reader review A completely new take on nutrition Reader review This nationally bestselling book explains the shocking new science of how hormones are wreaking havoc on the body and the delicious solution that improves health reduces pain and even helps to shed weight Hidden in everyday foods are the causes of a surprising range of health problems infertility menstrual cramps weight gain hair loss breast and prostate cancer hot flushes and much more All of these conditions have one thing in common they are fuelled by hormones that are hiding in foods or are influenced by the foods we eat Your Body in Balance provides step by step guidance for understanding what's at the root of your suffering and what you can do to feel better fast Few people realize that a simple food prescription can help you tackle all these and more

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the range of a quadratic function written in standard form with a negative  $a$  value is  $f(x) \leq k$

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