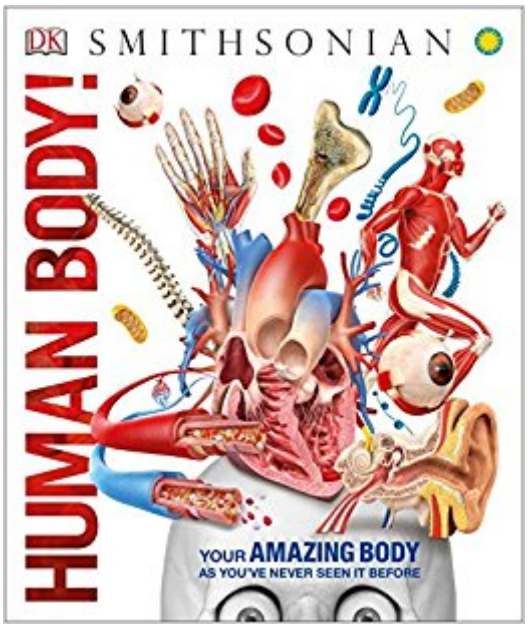
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Human Body!



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Synopsis

The ultimate kids' guide to the human body, with computer-generated 3-D imagery that shows them the body as they've never seen it before, from the award-winning publisher of Knowledge Encyclopedia.This visual encyclopedia includes astonishing, all-new 3-D artworks, offering a fascinating view of every part of the body from the skull to the heart and lungs to the joints and muscles, taking kids from head to toe. Supporting STEM education initiatives, all the body systems and structures are made easy to understand. Both the anatomyÃ¢â ¬â •how the body looksÃ¢â ¬â •and the physiologyÃ¢â ¬â •how the body worksÃ¢â ¬â •are visualized and explained with clear, engaging text, and the astonishing facts and figures revealed will keep young readers hooked on Human Body!With its bold visual approach, Human Body! is the perfect family reference on this subject.

Book Information

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Average Customer Review: 4.9 out of 5 stars 20 customer reviews

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Age Range: 9 - 12 years

Grade Level: 4 - 7

Customer Reviews

DNA A human has around 20,000 different genesÃƒÂ¢Ã â ¬Ã â •more than a chicken, but fewer than a mouse. View larger

View larger View larger View larger Body Cover The human body is almost entirely covered in a layer of skin and hair for protection and warmth. Together, the skin and hair form the body's largest sensory organ, with an advanced array of sensors that give the brain

detailed data about the body's surroundings. Medical Milestones New generations of doctors and scientists build on the breakthroughs of the past. Today, we know more than ever before about how our bodies work, but there is still a lot to discover. Blood Blood circulates endlessly through the human body to keep it alive. This fluid contains trillions of cells and countless chemicals, all floating in watery plasma. Blood is pumped by the heart through a network of blood vessels to deliver nutrients, oxygen, and other essential substances to cells.

Brain Pathways This image of a scan of the brain's white matter shows the many nerve pathways between different areas. White matter is made up of nerve fibers, called axons, which use electrical signals to carry information. View larger

View larger View larger View larger Arm and Elbow Walking on two legs has freed our arms up to evolve a huge range of movements. The shoulder joint is the basis for arm flexibility, but the hinged elbow joint provides even more movement. Food and Nutrition Nutrition is the food your body needs to grow, move, and keep all its parts working. The body can make some of the substances it needs, but the rest have to come from the food we eat. The digestive system breaks food down into simple chemicals called nutrients that the body can use. Ankle and Foot The ankles and feet must carry the weight of the rest of the body. They work together like a spring, pushing off from the ground during running or jumping, and acting as shock absorbers for landing.

These aren’t my 8 year old’s favorite books. The illustrations are magnificent and the text is informative and thorough without being too much.

I’m a homeschool parent, and this book is going to be a helpful resource for years to come. Like most DK books I’m familiar with, it’s full of pictures and photos, interspersed with captions, explanations and paragraphs. It’s certainly not a book to be read straight through like a text. It invites browsing and exploration, much like a museum. I’m no scientist or medical professional (so no expert on accuracy) but the information seems clear and understandable to me.When we study the human body, I can find a page or two in this book that makes a wonderful explanation of each week’s topic. (We use the Classical Conversations Foundations curriculum, and this book is a fabulous supplement to it, but I imagine it would work equally well with nearly any curriculum.) There’s plenty of information here for an upper elementary student at least, but good visuals to help

pique the interest of even my PK student.For those who may be curious, I have looked through pretty thoroughly and haven't found anything I consider "nudity." There are certainly drawings of male and female reproductive systems in cut-away view, and plenty of information on how they work and what happens during puberty - just no drawings or photos of unclothed externals that I've found. I also haven't found anything that makes a reference one way or another to evolution.

There isn't a single thing I've looked for that I haven't found. The logically structured table of contents at the front makes easy work of honing in on all the categories the book is divided into for quick access and the thorough index in the back is even more specific. Each topic is well developed in (at least two facing pages and sometimes more.The book consists of drawings, only occasional photographs, and are well captioned with lines connecting the caption to the appropriate place in the drawing. Sometimes, I find that the coloring of the drawings is somewhat simplistic. For example, I don't think it's necessary to color the two lobes of the brain into a blue lobe and a green lobe. Just saying "right" and "left" should be enough.It is amazingly thorough and probably more designed for academic use (like a homeschool curriculum) or research for a science project or paper than for casual reading or scanning unless the child already has an established interest in medicine or biology. Though I often take issue with the ages or grades recommended by publishers, in this case I do agree. My grandson is a third grader and, while he does understand each specific block of drawings or diagrams, I can tell that the totality of the topic is not being grasped. Maybe fourth grade might be better and definitely 6th and 7th grades will be even better.The book deals, specifically, with how the body is designed to work when everything is right. It does not go into any explanation of disease processes (example: the breathing section does not address asthma or other ways in which breathing might be compromised), although the eye pages does explain why some people might need glasses, color blindness, and how 3-D glasses work. Reproduction is presented in a matter-of-fact form with a lot of verbiage of sperm and egg and later how the resulting baby develops but no specifics of what happened in between (although there is a cross section of both reproductive systems).On the whole, it is a well-thought out and clearly explained book; the information is grouped logically and presented clearly; the drawings are well done and colorful; the book is well constructed with a dust cover, heavyweight semi-glossy paper, and clear and contrasting text; while each page is different, the general organization and system in which information is presented is consistent making the book work and flow cohesively.

This is another great informational text from DK Smithsonian. It's a big book and lots of fantastic

images, photographs and illustrations. The information is presented in blocks of text as well as tables and captions for someone just looking for highlights. Illustrations are labeled clearly and are easy to understand.The book has eight chapters. Body Basics covers cells and stages of life. Body Systems looks at the systems that keep the body running as well as how the body defends itself. Head and Neck describes the brain, teeth, vision, balance and more. Chest and Back goes over muscles, spine, lungs, breathing, blood, heart and speech. Arms and Hands covers joints, muscles and movement from the shoulders to the fingertips. Abdomen and Pelvis explains everything about the components of the digestive system and reproduction. Legs and Feet covers muscles, ligaments and tendons from hip to toe. Body Science goes over medical milestones of the past and what the future may hold. At the end, readers will find a comprehensive glossary and an index.I think this is a wonderful book for young scientists of many ages. The colorful pages and short captions make it easy for readers to stay interested. Young readers may learn some basics, but it also has great details for middle schoolers studying life science. As an adult, I enjoy it too. It reminds me of the knowledge I've forgotten and has new information for me to learn. It's a terrific resource to have on our bookshelf.

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