Great Science Adventures

Lots of Science Library Books

Each *Lots of Science Library Book* is made up of 16 inside pages, plus a front and back cover. All the covers to the *Lots of Science Library Books* are located at the front of this section. The covers are followed by the inside pages of the books.

How to Photocopy the Lots of Science Library Books

As part of their *Great Science Adventure*, your students will create *Lots of Science Library Books*. The *Lots of Science Library Books* are provided as consumable pages which may be cut out of the *Great Science Adventures* book at the line on the top of each page. If, however, you wish to make photocopies for your students, you can do so by following the instructions below.

To photocopy the inside pages of the Lots Of Science Library Books:

- 1. Note that there is a "Star" above the line at the top of each *LSLB* sheet.
- 2. Locate the *LSLB* sheet that has a Star on it above page 16. Position this sheet on the glass of your photocopier so the side of the sheet which contains page 16 is facing down, and the Star above page 16 is in the left corner closest to you. Photocopy the page.
- 3. Turn the *LSLB* sheet over so that the side of the *LSLB* sheet containing page 6 is now face down. Position the sheet so the Star above page 6 is again in the left corner closest to you.
- 4. Insert the previously photocopied paper into the copier again, inserting it face down, with the Star at the end of the sheet that enters the copier last. Photocopy the page.
- 5. Repeat steps 1 through 4, above, for each *LSLB* sheet.

To photocopy the covers of the *Lots of Science Library Books*:

- 1. Insert "Cover Sheet A" in the photocopier with a Star positioned in the left corner closest to you, facing down. Photocopy the page.
- 2. Turn "Cover Sheet A" over so that the side you just photocopied is now facing you. Position the sheet so the Star is again in the left corner closest to you, facing down.
- 3. Insert the previously photocopied paper into the copier again, inserting it face down, with the Star entering the copier last. Photocopy the page.
- 4. Repeat steps 1 through 3, above, for "Cover Sheets" B, C, D, E, and F.

Note: The owner of this book has permission to photocopy the *Lots of Science Library Book* pages and covers for classroom use only.

How to assemble the Lots of Science Library Books

Once you have made the photocopies or cut the consumable pages out of this book, you are ready to assemble your *Lots of Science Library Books*. To do so, follow these instructions:

- 1. Cut each sheet, both covers and inside pages, on the solid lines.
- 2. Lay the inside pages on top of one another in this order: pages 2 and 15, pages 4 and 13, pages 6 and 11, pages 8 and 9.
- 3. Fold the stacked pages on the dotted line, with pages 8 and 9 facing each other.
- 4. Turn the pages over so that pages 1 and 16 are on top.
- 5. Place the appropriate cover pages on top of the inside pages, with the front cover facing up.
- 6. Staple on the dotted line in two places.

You now have completed Lots of Science Library Books.

What is the skeletal system?
THE STUDY A SUMPLEMENT OF STREET STRE



A ball-and-socket joint computer joystick. It shoulder and hip are can be twisted like a many directions and allows movement in movements. The examples of ball allows rotating

and-socket joints.

Lots of Science Library Book #1

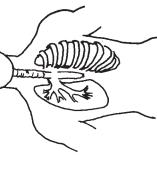
9

and legs. Hidden inside exterior face, hair, arms, person's body, what do are incredible systems that work together like the human body there you see? You see the When you look at a

vessels.

Lots of Science Library Book #1

heart, lungs, and brain. organs such as the protects internal 2) The skeleton blocks of the human body. make up tissues. Groups Groups of similar cells Cells are the building



together are called organs.

certain directions. Some

allow bones to move in

called a joint. Joints

bones move freely, such

as the hip and knees;

other bones are fixed,

the skull. such as

where two bones meet is

Bones are connected to other bones. The place of tissues that work

Cells, tissues, and organs

systems in the numan body.

nake up the

Ribs protect the heart and lumgs.

Lots of Science Library Book #1

cells are produced within the marrow of bones. Marrow some white blood 4) All the body's red nerves and blood blood cells and contains many

The process by which blood cells are produced is called hemopoiesis. Lots of Science Library Book #1

72

Robert Wadlow was one of ever lived. He was 8 ft. 11 the shortest persons was the tallest persons who 439 lb. (198 kg). One of in. (2.7 m) and weighed

much or too little secretion

Gul Mohammed, measuring about 22 1/2 inches (57 cm) tall. Too nakes a person very tall

of growth hormones

9

80.00

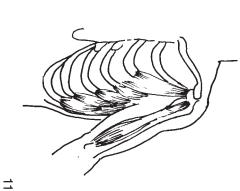
4



as bone. Cartilage is firm made out of cartilage. the tip of your nose are yet flexible. Your ears and bone. Therefore, cartilage compounds found in not contain the mineral bone, but cartilage does Cartilage is similar to the skeletal system. the human body make up the bones and cartilage of is not as hard and brittle is called a skeleton. All This framework of bones

Lots of Science Library Book #1

 $\underline{\omega}$ Bones anchor movement. muscles to provide



N

Lots of Science Library Book #1

examples of one direction only. A types of moveable hinge joints hinge joint is strong. ball-and-socket joint. joints: hinge joint and The elbow and knee are The hinge joint moves in There are two main



elbow

The bones of the

skeleton are

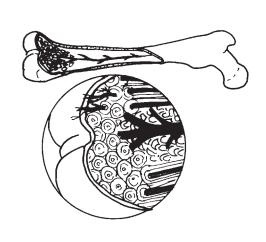
arranged in such a

support.

body shape and manner to give the functions:

provides four main The skeletal system

supported by a framework the most amazing than function and location depending on their shape of bones differ building the size and of bones similar to the The human body is more framework of a building. The human body is Like the beams of a



Lots of Science Library Book #1

Lots of Science Library Book #1

building. spectacular