Human Body in Motion Unit Visuals: Table of Contents

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Human Skeleton



Overhead Transparency: Human Skeleton (Lesson 2) Human Body in Motion Visual 1 Science Companion

Bone Structure



Cross Section of a Long Bone



Overhead Transparency: Bone Structure (Lesson 6) Human Body in Motion Visual 2

The Circulatory System





The Digestive System





Amazing Cells



A macrophage wrapping around a bacterium.



Two osteoclasts "eating away" old bone matrix.





Three skeletal muscle cells pulled apart for easy viewing.

Nerve cells, or neurons, from the brain.

Overhead Transparency: Amazing Cells (Lesson 11), page 1 of 2 Human Body in Motion Visual 5



Amazing Cells



Red blood cells (carriers of oxygen), a white blood cell (disease fighter), and some platelets (blood clotting helpers). The small circles outline **individual** parietal cells.

The larger circle outlines a **group** of chief cells.



The parietal cells, shown in pink, produce an acid that "turns on" the protein-digesting enzymes made by the chief cells, shown in purple.

Goblet cells and ciliated epithelial cells in the trachea.

How the Human Body Is Organized

Overhead Transparency: How the Human Body Is Organized (Lesson 11) Human Body in Motion Visual 7

Steam Blower from Zorr

An Alien Example

Steam Blower from Zorr An Alien Organ Example

Use the space below to describe the special capabilities of your circled organ. What does it do for the alien? Use sketches and words in your description.

Name of organ _

steam blower

Steam Blower from Zorr

Alien Cell Examples

faucet cell

Name of first cell type: .

Special Things It Can Do Faucet cells pump out lots of water. What It Looks Like

Faucet cells are very large and plump—filled with water. They have water pumps to pump water out quickly and lots of pores for water to escape from.

boiler cells

Name of first cell type: _

Special Things It Can Do

Boiler cells produce enough heat to turn water into steam. What It Looks Like

Boiler cells are cup shaped to collect the water released by faucet cells. They contain lots and lots of energy-rich nutrients that they "burn" to produce enough heat to boil water.

