

**Human Body in Action: The Brain & the Nervous System [N6751]**  
**correlated to the Georgia Science Standards**

*S.5.1 Asks questions, makes and keeps records of observations, classifies objects and events, communicates with others, makes inferences and predictions, uses estimation and measurement, uses evidence to construct explanations, makes sketches and diagrams to explain ideas, organizes data into tables and charts for interpretation, reads and interprets various types of graphs, formulates simple hypotheses, identifies and controls a limited number of variables, and designs a simple experiment.*

Grade 5 : Inquiry : Science Inquiry, Process Skills and Problem Solving

Grade Level Required: 5

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*S.5.21 Names and describes important parts of the body and their basic functions, such as brain, heart, lungs, stomach, kidneys and sense organs.*

Grade 5 : Life Science : The Living World: Human Body

Grade Level Required: 5

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*S.5.22 Identifies major body systems and their functions. Illustrates body systems that provide support and movement, transport, air/gas exchange, excretion, immunity, reproduction and control (nervous system).*

Grade 5 : Life Science : The Living World: Human Body

Grade Level Required: 5

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*S.6.1 Uses process skills of observing, classifying, communicating, measuring, predicting, inferring, identifying, and manipulating variables; recording analyzing and operationally defining, formulating models, experimenting, constructing hypotheses and drawing conclusions.*

Grade 6 : Physical Science : Scientific Inquiry Process

Grade Level Required: 6

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*S.7.1 Uses process skills of observing, classifying, communicating, measuring, predicting, inferring, identifying, and manipulating variables. Also uses recording, analyzing, and operationally defining, formulating models, experimenting, constructing hypotheses and drawing conclusions.*

Grade 7 : Life Science : Scientific Inquiry Process

Grade Level Required: 7

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*6.1 Describes the structure and functions of major components and organelles to include nucleus, nuclear membranes, cytoplasm, cell membrane, chromosomes, vacuoles, golgi bodies, lysosomes, endoplasmic reticulum (rough and smooth) and mitochondria.*

Grade 7 : Life Science : Living Things/Cells : S.7.6 Identifies the cell as a basic unit of life.

Grade Level Required: 7

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*6.2 Compares and contrasts the major structures and functions of typical plant and animal cells.*

Grade 7 : Life Science : Living Things/Cells : S.7.6 Identifies the cell as a basic unit of life.

Grade Level Required: 7

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*6.3 Discusses and illustrates the organization of cells into tissues, organs, and systems.*

Grade 7 : Life Science : Living Things/Cells : S.7.6 Identifies the cell as a basic unit of life.

Grade Level Required: 7

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*6.4 Describes and discusses the movement of materials into and out of the cell for the maintenance of homeostasis.*

Grade 7 : Life Science : Living Things/Cells : S.7.6 Identifies the cell as a basic unit of life.

Grade Level Required: 7

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*7.1 Explains and describes the features and functions of the various organ systems.*

Grade 7 : Life Science : Living Things/Human Body : S.7.7 Identifies organs and their functions in these systems: circulatory, respiratory, reproductive, skeletal, digestive, nervous, endocrine lymphatic, and skin.

Grade Level Required: 7

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*7.2 Describes and investigates body functions and make inferences regarding these functions, e.g., heartbeat, sensory perception, lung volume, and reaction time.*

Grade 7 : Life Science : Living Things/Human Body : S.7.7 Identifies organs and their functions in these systems: circulatory, respiratory, reproductive, skeletal, digestive, nervous, endocrine lymphatic, and skin.

Grade Level Required: 7

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*7.3 Discusses and illustrates the organization of cells into tissues, organs, and systems.*

Grade 7 : Life Science : Living Things/Human Body : S.7.7 Identifies organs and their functions in these systems: circulatory, respiratory, reproductive, skeletal, digestive, nervous, endocrine lymphatic, and skin.

Grade Level Required: 7

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*7.4 Classifies groups of cells as tissues, organs, or systems using observation and/or description.*

Grade 7 : Life Science : Living Things/Human Body : S.7.7 Identifies organs and their functions in these systems: circulatory, respiratory, reproductive, skeletal, digestive, nervous, endocrine lymphatic, and skin.

Grade Level Required: 7

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*S.8.1 Uses process skills of observing, classifying, communicating, measuring, predicting, inferring, identifying, and manipulating variables. Also uses skills of recording, analyzing and operationally defining, formulating models, experimenting, constructing hypotheses and drawing conclusions.*

Grade 8 : Earth Science : Scientific Inquiry Process

Grade Level Required: 8

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