

Grade 4				
Ch. 4 Lesson 1				
Human Body				
Page #	Question	Answer(s)	Links/Sources	Student Resources
126	How do these systems compare to body systems?	A system is made up of parts that work together. Organ systems work together to perform major functions for the body.		
126	How does saliva help digestion?	It makes is easier to swallow.		
127	Why do you think this system is called the integumentary system?	The parts of the integumentary system cover and protect other parts of the body.		
127	What would happen if your spinal cord was damaged?	You might not be able to feel parts of your body, and the injury could cause disabilities that affect movement.		
128	Which body systems were healed?	The man's skeletal and muscular systems were healed, which allowed the man to walk and jump.		
129	How do the skeletal, muscular, and nervous systems work together?	The bones in the body cannot move on their own. When different groups of muscles attached to the bones contract, they move the bones. Muscles need bones to pull on to walk and move.		
129	Why do you think the brain, heart, and lungs are protected by the bones?	These vital organs are softer than bones provide a barrier for the organs, so if a person is injured the bones will help protect the organs.		
129	How can you build a model of the skeletal system?	Build a support frame using strong materials.		
130	How is the air you exhale different from the air you inhale?	The air you inhale has more oxygen, which is replaced by carbon dioxide in the lungs. The air you exhale has more carbon dioxide than the air you inhale.		
131	How do the respiratory and cardiovascular systems work together?	Blood in the cardiovascular system carries oxygen to all the systems of the body. The respiratory system provides oxygen for the blood from the air we breathe in.		
131	How can you show that the respiratory and cardiovascular systems work together?	You can show how they work together by exercising (like jumping jacks). Your heart rate increases and breathing rate increases. They work together to get the body the increased oxygen needed during the activity. They should be able to identify that the muscular system is working well. Some students may sweat and identify the excretory system at work.		

132	Do all the organs in one part of your body belong to the same body system? Explain.	No lungs are part of the respiratory system, the ribs are part of the skeletal system, and the heart is part of the circulatory system. There are organs in the digestive system in the abdomen as well as nerves, which are part of the nervous system.		
133	Describe another situation where there are many different systems that work together.	A vehicle - the electrical system, the stereo system, and the motor; a computer - hard drive, the internet, and software; a restaurant - the management, the wait staff, and the kitchen staff.		
134	What might happen if the water continues to go into the balloon and there is no way for the water to exit the balloon.	It will explode or start leaking from the top.		
* Means the answer is found in the TE.				