Jame	Class	Date
Skills Worksheet		
Directed Readi	1g	
esson: Body Organi	zation	
ROM CELLS TO SYSTEMS		
1. A group of cells that look	alike and work togethe	er to perform a single
function is called a(n)		_•
2. Two or more tissues that	work together to perfor	rm a specific function are
called a(n)		
ODY SYSTEMS WORK TOG	ETHED	
3. When the body system a. old and sick.	stems work together pr	operly, they keep the body
b. alive and health	ıy.	
c. run down.	•	
d. None of the abo	ove	
accon. The Nameur	Custom	
esson: The Nervous	System	
4. What is the function of yo	our narvous system?	
4. What is the function of ye	our nervous system.	
5. Fill in the part of the nerv	ous system that is miss	sing: brain, spinal cord,
nerves, and		
OUR BRAIN		
6. Describe what the brain o	loes.	
7. The three parts of the bra	uin are the	, the
		 -
HE CENTRAL NERVOUS SY		
8. The two parts of the cent	ral nervous system are	the
	and the	

Name	Class	Date
Directed Reading cont	tinued	
9. Describe the major f	functions of the spinal cord.	
THE PERIPHERAL NER' 10. A bundle of cells tha	VOUS SYSTEM at conducts electrical signals through	the body is called a
11. What do nerves do?	·	
	OF THE NERVOUS SYSTEM ith the correct term. Write the letter in	n the space provided.
12. an injury to t	he brain caused by a blow to the hea	ad a. paralysis
	nerves and brain that is characterizedable muscle activity	b. concussion c. epilepsy
	which a person has very poor muscle ed by damage to the brain	d. meningitis e. cerebral palsy
	oility to use muscles; generally cause the brain or spinal cord	
	of the protective lining of the brain cteria or virus	
Lesson: The Endo	<u>-</u>	
17. Your endocrine syste	em releases	_ to help control
certain body function	ons.	
18. Name two functions	of the endocrine system.	

Name	Class	Date	
Directed Reading continued			
YOUR GLANDS			
19. What endocrine gland relea	ses a hormone	that regulates the amount of	
sugar in the blood?		and regulates the amount of	
a. pituitary	b. adrenal		
b. ovary	d. pand	ereas	
20. An endocrine gland that production is the	oduces hormone	es involved in male repro-	
a. thyroid.	b. teste		
c. pancreas.	d. ovar	ies.	
21. A tissue or group of tissues that ma	akes and releas	es chemicals is called a	
YOUR HORMONES			
22. Name a hormone that controls the characteristics in males.	development o	f secondary sex	
23. Name a hormone that helps you res	spond to emerg	encies.	
COMMON PROBLEMS OF THE ENDO	CRINE SYSTEM	Л	
24. What endocrine problem ca weight gain?	n cause the boo	dy to slow down and lead to	
a. giantism	c. hype	erthyroidism	
b. Type II diabetes	d. hypo	othyroidism	
25. What disease is characterize caused by the pancreas pro-		9	
a. giantism	•	erthyroidism	
b. Type II diabetes	d. hypo	othyroidism	
Lesson: The Skeletal and M	uscular Sys	tems	
YOUR SKELETON: YOUR BODY'S FRA	MEWORK		
26. The ends of your bones are covered	d by a soft flexi	ble tissue called	
27. The tissue inside of a bone is called	d		
JOINTS			
28. The place where two bones meet is	s called a	•	

Name	Class	Date
Directed Reading continued		
29. What is the purpose of joints	s?	
COMMON SKELETAL AND JOIL	NT PROBLEMS	
30. If bones are moved out of pl	ace, your joints can be	
31. What is arthritis?		
TYPES OF MUSCLE		
32. Give an example of where in can be found.	n the body each of the	following types of muscle
cardiac		
smooth		
skeletal		
33. What is a tendon?		
HOW MUSCLES MAKE YOU M	OVE	
34. When a muscle contr	acts, it gets	
a. longer. b. shorter.		
c. flatter.		
d. None of the above	,	
35. Describe how muscles cause	e your body to move.	
COMMON MUSCULAR PROBL	EMS	
36. What is muscular dystrophy	?	

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Name	Class	Date
Directed Reading continu	ied	
37. What is tendinitis?		
Lesson: The Digest	ive and Urinary System to ENERGY	ems
38. A	is a substance in food	that your body needs to
function properly.		
THE JOURNEY OF FOOD		
39. What happens to food	as you chew?	
40. What two functions ha	uppen in the small intestine?	
41. What three digestive o help digest food?	rgans all release chemicals i	nto the small intestine to
HOW THE BODY ABSORI	3S NUTRIENTS	
42. Small projections calle	ed	in the small intestine
1 0	s from the digestive system to	
_	orption of nutrients easier fo	
COMMON DIGESTIVE PR	OBLEMS	
44 Which of the fo	ollowing does NOT lead to pr	oblome with digastion?
a. improper ch	_	obicitis with digestion:
b. eating slowly	9	
· ·	id in the stomach	
d. gulping food	when you eat	

Name	Class	Date
Directed Reading continued		
45. Describe an ulcer.		
EXCRETION: REMOVING LIQ	UID WASTES	
46. What three body systems a	are involved in excretion	1?
47. The muscular bag-like org	an that stores liquid was	ste is the
FILTERING BLOOD	_•	
48. The organ responsi	_	out of the blood and sending
a. heart.	c. liv	
b. kidney.49. Microscopic filters inside ;	d. lu	
your blood are called	•	e namuu products nom
COMMON PROBLEMS OF TH	HE URINARY SYSTEM	
50. What are stones?		

Name		Class	Date
Direct	ed Reading continued		
	n: The Circulatory ATION: ALL ABOARD!	and Respirator	ry Systems
51. Expl	ain the major function o	of the circulatory system	em.
WHAT I	S BLOOD?		
52. List	the four main componer	nts of blood.	
_	ain the functions of the	9 -	
red l	olood cells		
whit	e blood cells		
SUPPLY	LINES		
54. Wha	t is the difference betwe	een an artery and a ve	in?
COMMO	ON CIRCULATORY PRO	BLEMS	
55. Abno	ormally high blood pres	sure is called	
56. A co	ndition in which the nu	mber of red blood cell	ls or hemoglobin is below
norn	nal is called		
THE RE	SPIRATORY SYSTEM: W	HY YOU BREATHE	
57. Desc	eribe the function of the	respiratory system.	

Name	Class	Date
Directed Reading continue	d	
	are large, spongeling passed between the blood	ike organs in which oxygen and the environment.
HOW YOU BREATHE		
59. What is the diaphragm?		
COMMON RESPIRATORY P	PROBLEMS	
60. What is pneumonia?		
Lesson: Caring for Y BODY SYSTEMS AND TOTA 61. Explain how your body	AL HEALTH	e health of other systems.
STAYING HEALTHY		
62. List four tips for staying	healthy.	

Answer Key

Directed Reading

LESSON: BODY ORGANIZATION

- 1. tissue
- 2. organ
- **3.** b

LESSON: THE NERVOUS SYSTEM

- **4.** controls your body by conducting electrical messages to and from the various parts of your body
- 5. sensory organs
- **6.** Your brain tells your body what to do by sending impulses to different parts of the body.
- 7. cerebrum, cerebellum, brainstem
- 8. brain and spinal cord
- **9.** The major function of the spinal cord is to relay impulses between the brain and different parts of the body.
- 10. nerve
- **11.** Nerves serve as a means of communication between the central nervous system and the rest of the body.
- **12.** b
- **13.** c
- **14.** e
- **15.** a
- **16.** d

LESSON:THE ENDOCRINE SYSTEM

- 17. hormones
- **18.** Two functions are to tell your body how to grow and develop and to prepare your body to respond to stress and fear.
- **19.** b
- **20.** b
- **21.** gland
- 22. testosterone
- 23. epinephrine
- **24.** d
- **25.** b

LESSON: THE SKELETAL AND MUS-CULAR SYSTEMS

- 26. cartilage
- 27. marrow
- **28.** joint

- **29.** Joints allow movement when the muscles attached to the bones contract.
- **30.** dislocated
- **31.** Arthritis is inflammation of a joint.
- **32.** heart, stomach, bones
- **33.** Tendons attach muscle to bone.
- **34.** b
- **35.** Muscles pull on the bones that form a joint.
- **36.** Muscular dystrophy is a disease that leads to muscle weakness.
- **37.** Tendinitis is inflammation of a tendon.

LESSON: THE DIGESTIVE AND URINARY SYSTEMS

- **38.** nutrient
- **39.** Food is mixed with saliva as you chew.
- **40.** chemical digestion, absorption
- 41. liver, gall bladder, pancreas
- **42.** villi
- **43.** They make absorption easier by increasing the surface area of the intestinal wall.
- **44.** b
- **45.** An ulcer is a round, open sore in the lining of the stomach or small intestine.
- **46.** The three body systems are your skin, your lungs, and your urinary systems
- **47.** bladder
- **48.** b
- 49. nephrons

LESSON: THE CIRCULATORY AND RESPIRATORY SYSTEM

- **50.** Stones are crystallized mineral chunks that can form in the kidneys and the bladder.
- **51.** The major function of the circulatory system is to transport nutrients and gases to different parts of the body where they can be used by the cells.
- **52.** plasma, platelets, white blood cells, red blood cells
- **53.** carry oxygen and pick up carbon dioxide; fight infection

TEACHER RESOURCE PAGE

- **54.** Arteries carry fresh blood away from the heart and veins carry oxygen-poor blood back to the heart.
- 55. hypertension
- 56. anemia
- **57.** The respiratory system brings oxygen into the body and removes carbon dioxide from the body.
- **58.** lungs
- **59.** The diaphragm is a muscular dome below the lungs which causes inhalation and expiration.
- **60.** an infection of the lungs in which the alveoli fill with thick fluid.
- **61.** Body systems are affected by the health of other systems in that if one system fails or malfunctions others can do the same—leading to many different health problems.
- **62.** Answers may vary. Students should choose any four of: eat healthy, drink water, get enough exercise, avoid injuries and accidents, avoid using alcohol, drugs, and tobacco, visit a doctor for yearly checkups.

Concept Mapping

LESSON: THE SKELETAL AND MUSCULAR SYSTEMS

The *skeletal system* includes *cartilage* and *bones*, many of which contain *marrow* and are connected by *joints*.

LESSON: THE CIRCULATORY AND RESPIRATORY SYSTEMS

The circulatory system is made of your heart; blood, which contains blood cells, plasma, and platelets; and blood vessels, which are called arteries and veins, which are linked together by capillaries.

Concept Review

LESSON: BODY ORGANIZATION

- 1. cells
- 2. tissue
- 3. system
- 4. organ
- 5. Answers may vary. Be sure student include both the skeletal and muscular system and the circulatory and respiratory systems.

LESSON: THE NERVOUS SYSTEM

- **6.** d
- **7.** a
- **8.** A nerve is the bundle of cells that conducts electrical signals through your body. A nerve impulse is the electrical message the nerves send.

LESSON: THE ENDOCRINE SYSTEM

- **9**. g
- **10.** e
- **11.** c
- **12.** f
- **13.** b
- **14.** a
- **15.** The endocrine system controls your growth by releasing more human growth and sex hormones as you reach puberty.
- **16.** Answers may vary. Sample answers: type 2 diabetes and hyperthyroidism

LESSON: THE SKELETAL AND MUS-CULAR SYSTEMS

- **17.** ioint
- 18. knee, elbow, shoulder, hip
- **19.** c
- **20.** d
- 21. Smooth muscle contracts to move material such as food through internal organs. Cardiac muscle helps push blood through the body. Skeletal muscle pulls on the bones they are attached to and causes your body to move.
- **22.** d
- **23.** g
- **24.** f
- **25.** i
- **26.** a
- **27.** c
- **28.** h
- **29.** e
- **30.** b
- **31.** The three things to do to prevent injuries are to warm up, cool down, and stretch.

LESSON: THE DIGESTIVE AND URINARY SYSTEMS

- **32.** c
- **33.** e
- **34.** h
- **35.** a
- **36.** b