Name	Class	Date		
Skills Worksheet				
Chapter Review				

USING KEY TERMS

Complete each of the following sentences by choosing the correct term from the word bank.

	mass	0	friction	U	
	speed	velocity	net force	newton	
1.			opposes moti	on between surfaces	s that are
	touching.				
2.	The		is the	e unit of force.	
3.			is determ	ined by combining f	orces.
4.	Acceleration is the	e rate at which			_changes.
5.			is a measure	of the gravitational	force on an
	object.				

UNDERSTANDING KEY IDEAS

Multiple Choice

- 6. If a student rides her bicycle on a straight road and does not speed up or slow down, she is traveling with a
 - a. constant acceleration.
 - b. constant velocity.
 - c. positive acceleration.
 - d. negative acceleration.
- _____ 7. A force
 - a. is expressed in newtons.
 - b. can cause an object to speed up, slow down, or change direction.
 - c. is a push or a pull.
 - d. All of the above
- 8. If you are in a spacecraft that has been launched into space, your weight would
 - a. increase because gravitational force is increasing.
 - b. increase because gravitational force is decreasing.
 - c. decrease because gravitational force is decreasing.
 - d.decrease because gravitational force is increasing.

Name		Class	Date	
Cha	pter Review continued			
	C	tween 1 kg of m	of lead and Earth is narshmallows and Earth. . the same as	the
	b. less than	d	. None of the above	
	_ 10. Which of the following a. 16 m east b. 25 m/s ²	c	ment of velocity? . 55 m/h south . 60 km/h	
Short	Answer			
	escribe the relationship bet	ween motion an	d a reference point.	
_				
12. H	ow is it possible to be acce	lerating and trav	reling at a constant speed?	
_				
13. Ex	xplain the difference betwe	en mass and we	ight.	
_				
_				

Name	Class	Date
Chapter Review contin	nued	
Math Skills		
	m to the east in 5 s. Use the Show your work below.	nis information to answer the
a. What is the kanga	roo's average speed?	
b. What is the kanga	roo's average velocity?	
again to the south		vater and then starts hopping o's velocity increases 2.5 m/s. ?

Name	_ Class	Date
Chapter Review continued		

CRITICAL THINKING

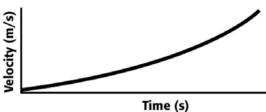
15. **Concept Mapping** Use the following terms to create a concept map: *speed, acceleration, force, velocity, direction,* and *motion.*

Name	Class	Date	
Chapter Review cor	ntinued		
some boxes. One	s Your family is moving, and box is so heavy that you muster some ways you could reduce the sould reduce the some ways you ways you could reduce the sould reduce the	st push it across the room r	ather
	Considering the scientific mea he term <i>accelerator</i> when tal	•	
	onships Explain why it is imputy and not just wind speed du		

INTERPRETING GRAPHICS

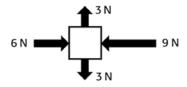
Use the figures below to answer the questions that follow.

19. Is the graph below showing positive acceleration or negative acceleration? How can you tell?

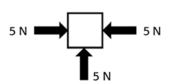


20. You know how to combine two forces that act in one or two directions. The same method can be used to combine several forces acting in several directions. Look at the diagrams, and calculate the net force in each diagram. Predict the direction each object will move.

a.



b.



c.

