

Name: _____

Date: _____

BLM 16-8

Chapter 16 Practice Test

Write the term from column B that completes the sentence in column A. There is one extra word.

A	B
<p>1. _____ is the reason why a ball does not rebound all the way back to your hand.</p> <p>2. A _____ can be used to compare the friction of different surfaces.</p> <p>3. Some energy of a ball hitting the ground is converted into friction and _____ energy.</p> <p>4. You can compare how balls bounce by using a _____.</p>	<p>a) sound</p> <p>b) friction</p> <p>c) ratio</p> <p>d) spring scale</p> <p>e) variable</p>

5. How does a layer of water affect the friction of surfaces?

6. How can you use your knowledge of friction to help you decide which sports shoes to buy?

7. Do you agree with this statement? "You should wear a helmet every time you go snowboarding." YES NO Explain.

Name: _____

Date: _____

BLM 16-8

(continued)

- 8.** The balls used in table tennis competition have recently changed from 38 mm to 40 mm. The larger balls do not rebound as fast as the smaller balls. The larger balls also spin less and slow down faster due to air resistance.

Describe an investigation you could do to compare the rebound of a 38 mm ball and a 40 mm ball.

a) What will you need? _____

b) What will you do? _____

- 9. a)** Suggest one advantage of playing golf with this golf ball.

- b)** Suggest one disadvantage of playing golf with this golf ball.

Try our
new, improved
golf ball!
It is as big as
a tennis ball!

- 10. a)** Draw a picture of a crash helmet and label the shell, the liner, and the chin strap.



- b)** Explain why crash helmets are useful for protecting cyclists.
