Name _____ Date _____ Class _____

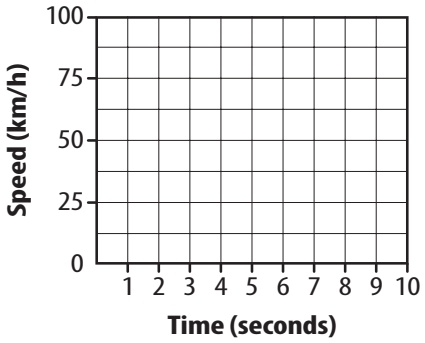
Content Practice B

LESSON 3

Acceleration

Directions: *On the speed-time graph below, draw a line showing the motion of a test car that moved forward at a speed of 50 km/h and crashed into a barrier at the 5-second mark. Continue the line for the full 10 seconds.*

1.



Directions: *Answer each question or respond to each statement on the lines provided.*

2. What is acceleration?

_____

_____

_____

3. When a moving object reduces its speed, what happens to the object's acceleration in relation to its velocity?

_____

_____

4. Why is a car rounding a curve accelerating, even if it is moving at a constant speed?

_____

_____

5. What does each letter in the following equation stand for: $a = (v_f - v_i)/t$?

_____

_____

_____