

# Unit 3, Chapter 6: Newton's Second law of Motion-Force and Acceleration

1. Chapter 6 Big Idea:

2. Essential Question: How does an object's property affect how the object moves when a force is applied?

3. Focus questions:

1. What causes an object to accelerate?
2. How does an increase in mass affect acceleration?
3. What is the relationship among an object's mass, an object's acceleration, and the net force on an object?
4. What factors affect the force of friction between surfaces? ?
5. Why do all freely falling objects fall with the same acceleration?

# Newton's 2<sup>nd</sup> Law of Motion

Summary

Picture

Example (s)

Big Idea

Picture with description in  
your own words.

Chapter's  
Title

Vocabulary Definition

Summary

**Inversely:**

**Friction:**

**Air resistance:**

**Pressure:**

**Terminal Speed:**

**Terminal Velocity:**

One thing I learned about \_\_\_\_\_ is  
\_\_\_\_\_

I also learned that \_\_\_\_\_.

I found this chapter interesting because  
\_\_\_\_\_.

Finally, one thing I wonder about is  
\_\_\_\_\_.

# CHAPTER 6 CONCEPT QUESTIONS

Directions: Answer the following questions using complete sentences.

#'s 1-6,8,10-11,13,16-20 on pages 99-100.