Describing Motion and Force

(p.55)

What determines a car moving or a dog flapping its ears is based on a **Reference point**. An object is in motion if it is in **motion** if its position changes when compared to another object. A **reference point** is a place or object used for comparison to determine whether something is in motion. Passing a tree in a car or a stop sign helps determine you are **moving.** Both those objects are called **reference points**.

(p.56)

What is relative motion?
_____
_____

Provide an example:
_____
_____

(p.57)

How do forces affect motion?
_____
_____

Provide an examples

_____
_____

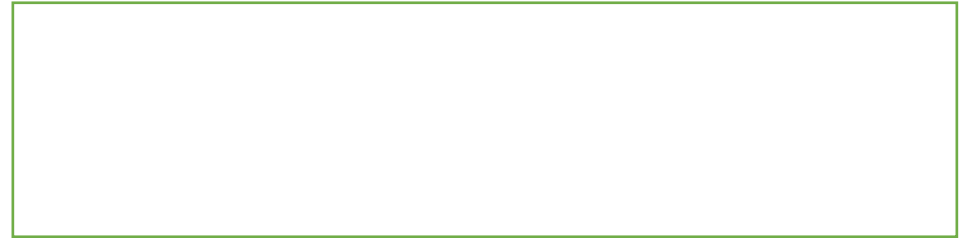How can you describe Force and provide an example:
_____
_____

(p.58)

Describe several types of forces (contact and non-contact) and examples that would support them.

Draw an example of friction occurring:

What is the difference between a balanced forced and unbalanced? Provide examples:
_____
_____
_____
_____

How can you determine a net force?
_____
_____

What is meant when the net force is zero and provide an example?

_____
_____

(p.60)Draw equalities for the example of the squirrels.

1.)   2.)   3.)

Provide an example by drawing areas of an example based on net force.