

## Chapter 2 Lesson 2 Types of Forces

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### Video Notes

#### **GRAVITY:**

<https://www.youtube.com/watch?v=zcSSBVi-ikM>

- 1) Define *Gravity*.
  
- 2) What is the *Law of Universal Gravity*?
  
- 3) What is *weight* and where does it come from?
  
- 4) How does the *distance* effect the gravitational force?
  - The farther the distance the \_\_\_\_\_ the force of gravity.
  - The closer the distance the \_\_\_\_\_ the force of gravity.
  
- 5) How does *Mass* effect the gravitational force?
  - The greater the mass the \_\_\_\_\_ the force of gravity.
  - The smaller the mass the \_\_\_\_\_ the force of gravity.
  
- 6) Draw a diagram of Gravity acting on 2 objects (you MUST have 2 objects for a gravitational force to occur).



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### **ELASTIC**

1) Define Elastic Force.

2) What is Tension Force?

- Give an example of Tension force in your everyday life!

3) What is compression force?

- Give an example of compression force in your everyday life!

4) What is Normal Force?

- Give an example and draw a normal force in everyday life!!

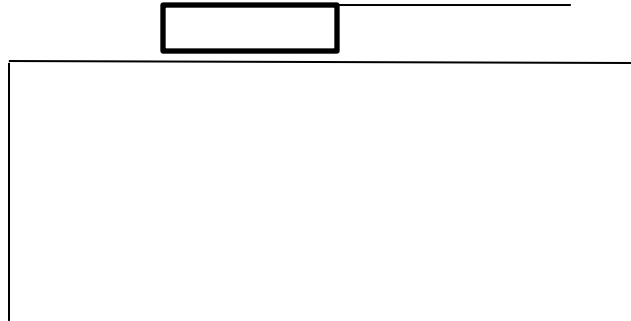
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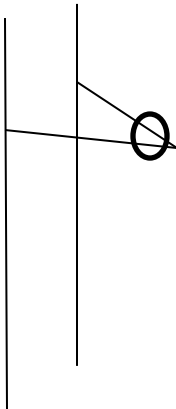
Identifying Forces Activity:

Draw:

1) Forces on the book



2) Forces on the tennis ball



3) Forces on the book

