



Physics

Chapter 4: Forces in one dimension

Lesson 1: Force and motion

WS # 1

Name: .....

Grade 9 ( )

Question 1:

Fill the blanks:

1. In Physics, a push or a pull is called a .....
2. Forces have both ..... and .....
3. forces are ..... quantities.
4. The symbol ..... represents the magnitude of the force.
5. The magnitude of a force is measured in unit called .....

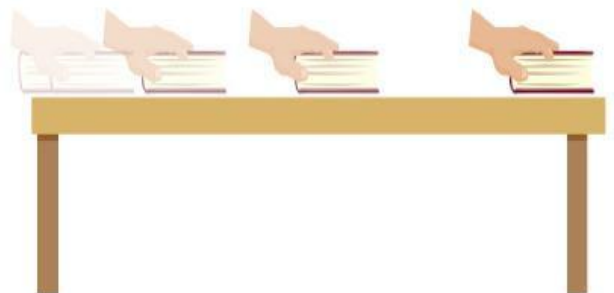
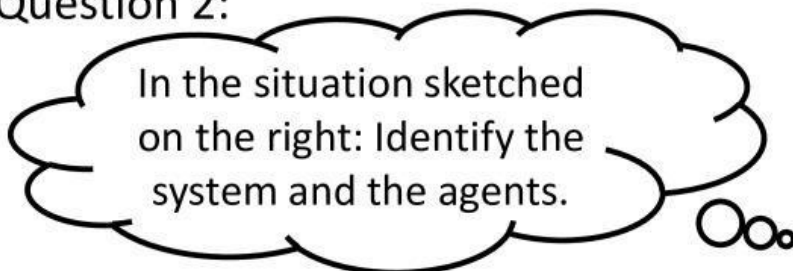
When considering how a force affects motion, it is important to identify the object called the **system**.

**System**: object effected by the forces (object of interest)

**Agent**: is something that interacts with the system and exerts a force on it.

**External world** : everything around the system.

Question 2:



- The system is .....

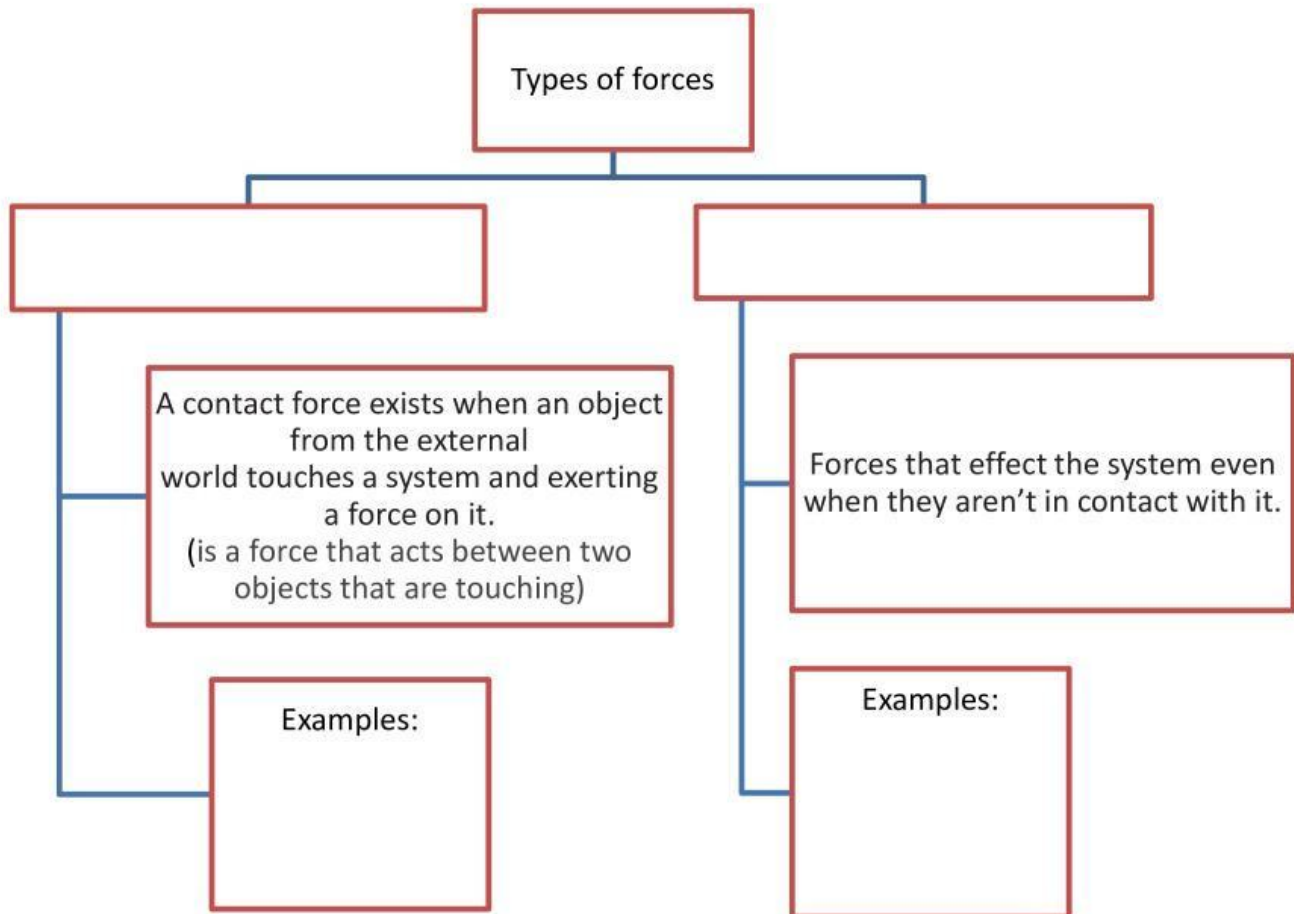
- The agents are:

.....

.....

.....

## Force and it's types:



### Question 3:

List the following examples of forces as contact or field

