

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**.

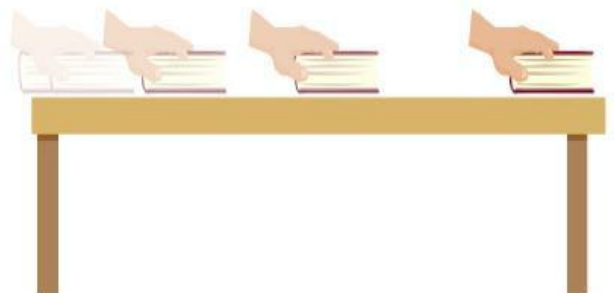
System: object effected by the forces (object of interest)

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

External world : everything around the system.

Question 2:

In the situation sketched on the right: Identify the system and the agents.



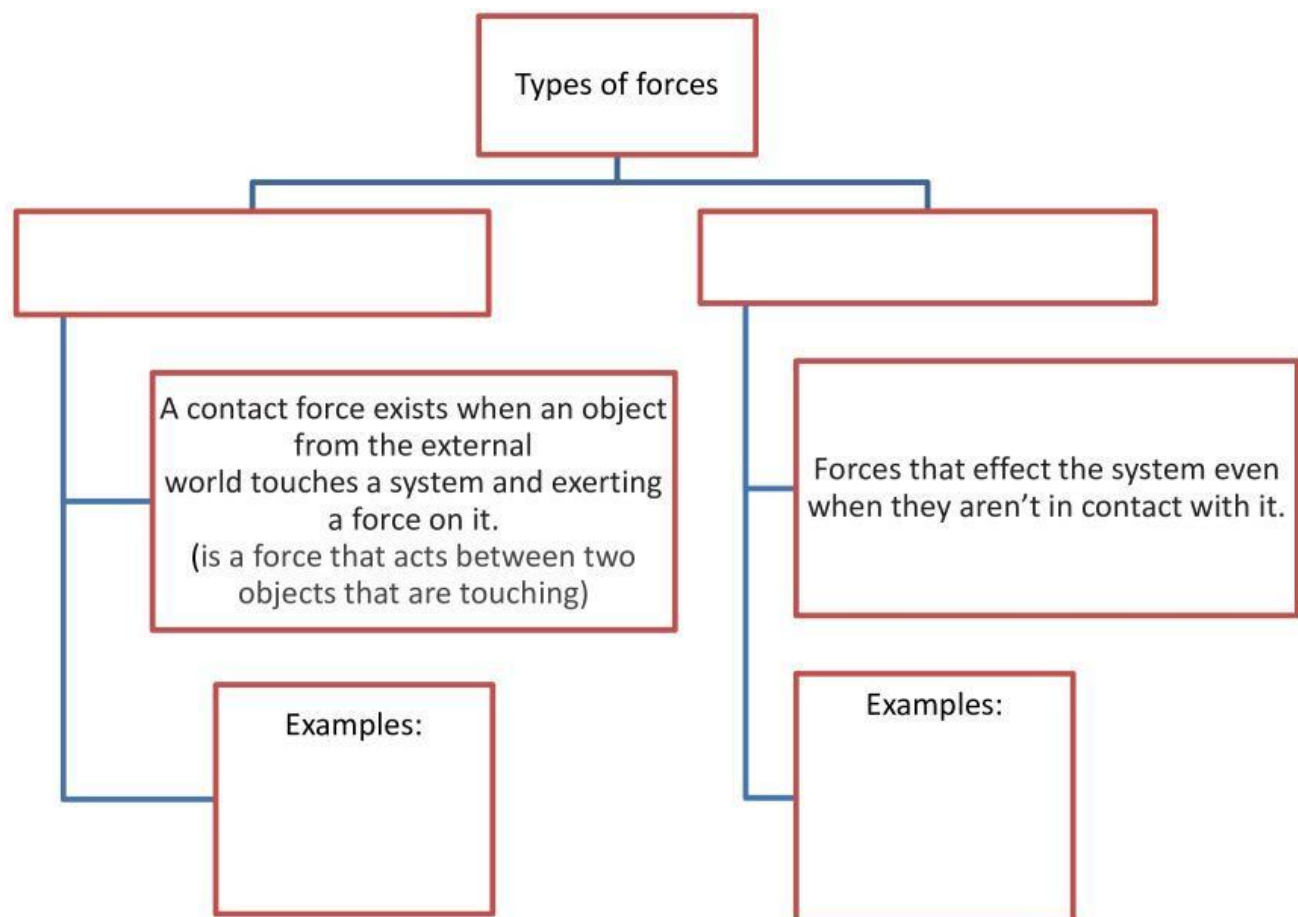
- The system is
- The agents are:

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Force and it's types:



Question 3:

List the following examples of forces as contact or field

