Forces, Mass and Weight

1. **Draw a line to match the word with the meaning:**

Word		Meaning
Force	•	• a push or a pull
Gravity	•	• amount of particles in an object
Kilograms	•	• the force of gravity
Weight	•	• measurement of weight and forces
Force meter	•	• measurement of mass
Mass	•	• force that attracts other objects
Newtons	•	• an instrument to measure weight

2. **Choose if the following are contact or non-contact forces:**

Push _____

Air resistance _____

Magnetism _____

3. **Calculate the following and select the correct answer:**

What is the weight in Newtons of an object with a mass of 50 kg?

_____ Newtons

4. Drag and drop the force with its correct definition:

applied force	water resistance	normal force
air resistance	upthrust	friction

A force that is used against an object by a person or another object _____

A support force that one object gives to another _____

The upward force liquids have on objects floating in it _____

The force created when one surface rubs past another _____

The slowing down of an object through air caused by friction _____

The slowing down of an object through water caused by friction _____

5. Identify the type of force: