

## Homework

Hwp  
13/5/21

1. Define the term weight and state its SI. unit? What is the difference between mass and weight.

Ans. Weight is the force with ~~which~~ which earth attracts the body. Difference between mass and weight are:-

### Mass

- \* Mass can never be zero.
- \* Mass is a scalar quantity. It has magnitude.
- \* Mass is commonly measured in kilograms & grams.
- \* Mass doesn't change according to location.
- \* The mass may be measured using an ordinary balance.

### Weight

- \* Weight can be zero, as in space if no gravity acts upon an object, its weight becomes zero.
- \* Weight is a vector quantity. It has magnitude.
- \* Weight is commonly measured in Newtons.
- \* Weight varies according to location.
- \* Weight is measured using a spring balance.