Grade 7 WS - Mass and Weight 21/10/10



1) Answer the following questions with either ‘mass’ or ‘weight’.

1. The amount of matter in an object is called its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The force of gravity on an object is called its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. If you take a spaceship into space, your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_stays the same.
4. If you take a spaceship into space, your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_changes.
5. If you double the mass of an object, you double the object’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. On Earth you can compare the masses of different objects by comparing

their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is measured in grams or kilograms.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is measured in Newtons.

2) Two apples are placed on a balance. The balance stays level.



What does this show about the mass and the weight of the apples?



3) Which property of an object is measured in Newtons?

1. density
2. mass
3. volume
4. weight

4) Which instrument can be used to give a direct measurement of the mass of a rock on the Moon?

