

To begin with,

Mass

- Definition of mass _____
- Compare to weight → weight on moon/Earth
→ mass on moon/Earth _____
- When gravity stays the same _____

Paragraph 2

In addition,

Volume

- Definition of volume _____
- Compare to mass _____
- Example _____

Paragraph 3

Paragraph 1 (Introduction)

Matter is anything that has mass and takes up space.

Note: For this 4-Square, the definitions are taken from the graphic organizer that we used when taking notes from the textbook.

Paragraph 4

~~_____~~

- _____
- _____
- _____

(Conclusion) Paragraph 5

Hence,

Mass measures the amount of _____

matter that something is made up _____

of, and volume measures the _____

amount of space that the matter _____

takes up.

Matter Report (mass and volume)

Paragraph 1:

Introduction

Matter is anything that has mass and takes up space.

Paragraph 2:

1. Intro category
2. Definition of Mass
3. Weight on moon/Earth
4. Mass on moon/Earth
5. When gravity stays the same

What is mass? Mass is the amount of matter that something contains, and it is measured in grams. Our weight would be different on the moon and on Earth, because there would be different amounts of gravity pulling us down. Our mass, though, would be the same on both places because we would still be made out of the same amount of stuff no matter where we are. If gravity is kept the same, then heavier objects have more mass.

Paragraph 3:

1. Intro category
2. Definition of volume
3. Compare to mass
4. Example

The amount of space that matter takes up is called its volume. Having the same volume doesn't mean that two objects will have the same mass. A cup of sand has more mass than a cup of water, but their volume is the same.

Paragraph 4:

Conclusion

Hence, mass measures the amount of matter that something is made up of, and volume measures the amount of space that the matter takes up.

Note: For a report to be written by the students, recommend Matter Report 2 (properties, states, and changes of matter) rather than this report on mass and volume.