

- What is the proper position of the eyes when reading volume measurement?
 A) Same level as the liquid
 B) Above level of the liquid
 C) Below level of the liquid
- What is the symbol for grams?
 A) g
 B) G
 C) gr
- It is constant.
 A) mass
 B) weight
- What is the unit of weight?
 A) Meters per second squared
 B) Gravity
 C) Newton
- Instruments / tool used in measuring volume
 A) Lever balance and electronic balance
 B) Lever balance and syringe
 C) Syringe and measuring cylinder
- What is the symbol for cubic centimeter?
 A) cm^2
 B) cm^3
 C) cm^1
- Anything that has mass and takes up space
 A) Mass
 B) Volume
 C) Matter
- What is the symbol for weight?
 A) n
 B) N
 C) Nwt
- What is the symbol for liter?
 A) L / l
 B) lit
 C) Lts
- Weight and mass are the same.
 A) True
 B) False

- Name the measuring instrument.

A) Syringe
 B) Electronic balance
 C) Lever balance



- Unit for mass
 A) Newton and kilograms
 B) Cubic centimeters, milliliters, and liters
 C) Kilograms and grams
- Amount of matter in an object
 A) Mass
 B) Volume
 C) Matter
- Gravitational force acting on an object
 A) mass
 B) weight
- Instruments / tool used in measuring mass
 A) Lever balance and electronic balance
 B) Lever balance and syringe
 C) Syringe and measuring cylinder
- What is the symbol for milliliter?
 A) ml / mL
 B) Lm
 C) mil
- What is the symbol for kilograms?
 A) K
 B) kG
 C) kg
- Amount of space taken by an object
 A) Volume
 B) Matter
 C) Mass
- Unit for volume
 A) Newton and kilograms
 B) Cubic centimeters, milliliters, and liters
 C) Kilograms and grams
- Name the measuring instrument.
 A) Measuring cylinder



- B) Syringe
- C) Electronic balance

Part A: Multiple Choice (10 items). Circle the correct answer.

1. Matter is anything that has ____.
 - A. color and shape
 - B. mass and space
 - C. weight only
 - D. size only
2. Which of the following is matter?
 - A. Shadow
 - B. Sound
 - C. Air
 - D. Light
3. Mass is the amount of ____ in an object.
 - A. space
 - B. weight
 - C. matter
 - D. force
4. Which tool is used to measure mass?
 - A. Measuring cylinder
 - B. Ruler
 - C. Balance
 - D. Thermometer
5. The unit used to measure mass is ____.
 - A. millilitre
 - B. litre
 - C. gram
 - D. centimetre
6. Volume is the amount of ____ an object takes up.
7. Which state of matter has a fixed shape and fixed volume?
 - A. Solid
 - B. Liquid
 - C. Gas
 - D. Air
8. Which state of matter can be compressed easily?
 - A. Solid
 - B. Liquid
 - C. Gas
 - D. Water
9. Liquids have ____.
 - A. fixed shape and fixed volume
 - B. no shape and no volume
 - C. no fixed shape but fixed volume
 - D. fixed shape but no volume
10. Gases take the shape of their ____.
 - A. size
 - B. container
 - C. color
 - D. weight

Part B: True or False (10 items). Write T if the statement is true and F if it is false.

11. Matter takes up space.
12. Shadows are matter.
13. Mass and weight are the same.
14. A lever balance can compare the mass of objects.
15. Liquids can be squeezed easily.
16. Solids have a fixed shape.
17. Gases have no fixed volume.
18. The particles in solids move freely.
19. Air inside a balloon is matter.

20.A pebble has volume.

Part C: Fill in the Blanks (10 items). Choose the correct word from the box.

Word Box: mass, volume, matter, solids, liquids, gases, compressed, collide, space, balance

- 21.**_____ is anything that has mass and takes up space.
- 22.**_____ is the amount of matter in an object.
- 23.**_____ is the amount of space taken up by an object.
- 24.**Books are examples of _____.
- 25.**Water is an example of _____.
- 26.**Air is an example of _____.
- 27.**Solids cannot be easily _____.
- 28.**Particles in liquids can move and _____ with one another.
- 29.**A lever _____ is used to compare mass.
- 30.**Matter occupies _____.

Part D: Matching Type (5 items). Match Column A with Column B.

Column A

- 31.** Solid
- 32.** Liquid
- 33.** Gas
- 34.** Measuring cylinder
- 35.** Electronic balance

Column B

- A. Measures volume of liquid
- B. No fixed shape and no fixed volume
- C. Fixed shape and fixed volume
- D. Measures mass
- E. No fixed shape but fixed volume

Part E: Short Answer (5 items). Answer the questions briefly.

- 36.**What happens to the water level when a pebble is placed in water?
- 37.**Why is a baby considered matter?
- 38.**Name one unit used to measure volume.

39. What state of matter has particles that are far apart?

40. What tool is used to measure a small amount of liquid?

What have I learned about states of matter?

compressed solids	liquids matter	collide gases	freely shadows	mass volume
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1. _____ is anything that has mass and occupies space.
2. _____ is the amount of matter in an object.
3. _____ is the amount of space taken up by an object.
4. We, human beings are matter but our _____ are not matter.
5. _____ have a fixed shape and a fixed volume.
6. _____ have no fixed shape but a fixed volume.
7. _____ have no fixed shape and no fixed volume.
8. Solids cannot be _____
9. The particles in liquids are free to move and _____ with one another.
10. The particles in gases move _____ in all directions.