

1. 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
2. What is the symbol for grams?
 - A) g
 - B) G
 - C) gr
3. It is constant.
 - A) mass
 - B) weight
4. What is the unit of weight?
 - A) Meters per second squared
 - B) Gravity
 - C) Newton
5. Instruments / tool used in measuring volume
 - A) Lever balance and electronic balance
 - B) Lever balance and syringe
 - C) Syringe and measuring cylinder
6. What is the symbol for cubic centimeter?
 - A) cm^2
 - B) cm^3
 - C) cm^1
7. Anything that has mass and takes up space
 - A) Mass
 - B) Volume
 - C) Matter
8. What is the symbol for weight?
 - A) n
 - B) N
 - C) Nwt
9. What is the symbol for liter?
 - A) L / l
 - B) lit
 - C) Lts
10. Weight and mass are the same.
 - A) True
 - B) False

11. Name the measuring instrument.

- A) Syringe
- B) Electronic balance
- C) Lever balance



12. Unit for mass

- A) Newton and kilograms
- B) Cubic centimeters, milliliters, and liters
- C) Kilograms and grams

13. Amount of matter in an object

- A) Mass
- B) Volume
- C) Matter

14. Gravitational force acting on an object

- A) mass
- B) weight

15. Instruments / tool used in measuring mass

- A) Lever balance and electronic balance
- B) Lever balance and syringe
- C) Syringe and measuring cylinder

16. What is the symbol for milliliter?

- A) ml / mL
- B) Lm
- C) mil

17. What is the symbol for kilograms?

- A) K
- B) kG
- C) kg

18. Amount of space taken by an object

- A) Volume
- B) Matter
- C) Mass

19. Unit for volume

- A) Newton and kilograms
- B) Cubic centimeters, milliliters, and liters
- C) Kilograms and grams

20. 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.
A. weight
B. force
C. space
D. mass
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 _____.
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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
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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.