



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

1. In which state of matter do particles have the least amount of energy and are closely packed together?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: a) Solid

2. What is the process by which a substance changes from a solid directly to a gas without passing through the liquid state?

- a) Condensation
- b) Sublimation
- c) Evaporation
- d) Freezing

Ans: b) Sublimation

3. Which of the following is NOT a state of matter?

- a) Plasma
- b) Bose-Einstein Condensate
- c) Liquid Crystal
- d) Quicksilver

Ans: d) Quicksilver

4. At what temperature does water boil at standard atmospheric pressure?

- a) 0°C
- b) 100°C
- c) 273 K
- d) 373 K

Ans: b) 100°C



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

5. Which gas is commonly associated with the Earth's atmosphere?

- a) Oxygen
- b) Hydrogen
- c) Helium
- d) Nitrogen

Ans: d) Nitrogen

6. The state of matter with a definite volume but no definite shape is:

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: b) Liquid

7. What is the unit of pressure commonly used in the study of gases?

- a) Newton
- b) Pascal
- c) Joule
- d) Dyne

Ans: b) Pascal

8. Which state of matter has particles that are highly energetic and move freely?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: c) Gas



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

9. What is the triple point of a substance?

- a) The point at which it turns into a gas
- b) The point at which it turns into a liquid
- c) The point at which all three phases coexist in equilibrium
- d) The point at which it solidifies

Ans: c) The point at which all three phases coexist in equilibrium

10. Which of the following is an example of a substance that undergoes sublimation?

- a) Ice
- b) Salt
- c) Camphor
- d) Sugar

Ans: c) Camphor

11. What is the process by which a substance changes from a solid to a liquid?

- a) Melting
- b) Freezing
- c) Boiling
- d) Condensation

Ans: a) Melting

12. At what temperature does water freeze at standard atmospheric pressure?

- a) 0°C
- b) 100°C
- c) 273 K
- d) -273.15°C

Ans: a) 0°C



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

13. What is the phase transition from a liquid to a solid called?

- a) Melting
- b) Freezing
- c) Boiling
- d) Condensation

Ans: b) Freezing

14. What is the process by which a substance changes from a liquid to a gas?

- a) Melting
- b) Freezing
- c) Boiling
- d) Condensation

Ans: c) Boiling

15. In which state of matter do charged particles move freely, enabling the generation of magnetic fields?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: d) Plasma

16. Which of the following terms refers to the change of state from a gas to a liquid?

- a) Melting
- b) Freezing
- c) Boiling
- d) Condensation

Ans: d) Condensation



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

17. What is the primary state of matter used in the process of casting metals into specific shapes?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: b) Liquid

18. What is the term for the temperature at which a substance changes from a liquid to a gas at a given pressure?

- a) Melting point
- b) Freezing point
- c) Boiling point
- d) Condensation point

Ans: c) Boiling point

19. In which of the following processes does a substance absorb heat energy from its surroundings?

- a) Melting
- b) Freezing
- c) Boiling
- d) Condensation

Ans: a) Melting

20. Which state of matter is commonly used in refrigeration systems to absorb and release heat?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: c) Gas



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

21. Which of the following is an example of a solid state of matter?

- a) Air
- b) Water
- c) Ice
- d) Steam

Ans: c) Ice

22. What state of matter is exhibited by oxygen at room temperature and pressure?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: c) Gas

23. In which state of matter does water exist at 50°C?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: b) Liquid

24. What is the basic building block of matter?

- a) Atom
- b) Molecule
- c) Proton
- d) Electron

Ans: a) Atom



Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

25. What term is used to describe the amount of matter in an object?

- a) Weight
- b) Mass
- c) Volume
- d) Density

Ans: b) Mass

26. What is an example of a substance that is in a gaseous state at room temperature?

- a) Mercury
- b) Oxygen
- c) Gold
- d) Plastic

Ans: b) Oxygen

27. What is the state of matter of Earth's outer core, where iron is molten?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Ans: b) Liquid

28. Which of the following is a common example of a plasma?

- a) Lightning
- b) Wood
- c) Glass
- d) Paper

Ans: a) Lightning



Selvam College of Technology



Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,
An ISO 9001:2015 Certified Institution, Approved by AICTE - New Delhi, Affiliated to Anna University - Chennai

PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL - 637003. TAMILNADU.
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

Name of the Bundle	Proficient and Advanced Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	MATTERS AND ITS STATES	Last updated on	20 January 2024

29. At what temperature does butter change from a solid to a liquid?

- a) 0°C
- b) 25°C
- c) 100°C
- d) It depends on the specific type of butter

Ans: d) It depends on the specific type of butter

30. What state of matter is often associated with Bose-Einstein Condensate?

- a) Solid
- b) Liquid
- c) Gas
- d) Special state at very low temperatures

Ans: d) Special state at very low temperatures