

**Name**

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**TITLE:** Chem 1025C CPS Test 2 24-Sept-2007

3 Points Each x 25 = 75 Pts

Multiple Choice

1. Question # 1 Pencil Lead is:

- a. A Crystallized form of lead
- b. A mixture of glue and a black dye
- c. Carbon
- d. Non of the above

Multiple Choice

2. Question # 2 The Scientific Approach uses:

- a. Propose a Theory
- b. Lot's of studying
- c. Proposing a possible solution
- d. Careful and accurate data collection

Multiple Choice

3. Question # 3 When you do an experiment, you

- a. Propose a Theory
- b. Propose solutions
- c. Test a hypothesis
- d. All of the Above

Multiple Choice

4. Question # 4 In Scientific Notation, the number written down is:

- a. Always as precise as allowed
- b. A number between 1 and 10
- c. Does not always need to have units
- d. Does not involve exponents

Multiple Choice

5. Question # 5 A Measurement will always have:

- A. Scientific Notation
- B. A number and a unit
- C. used the Metric System
- D. None of the above

Multiple Choice

6. Question # 6 The SI System does not include

- A. Centigrade
- B. Kilogram
- C. Meter
- D. None of the above

Multiple Choice

7. Question # 7

Kilo is the same as

- A. 1,000,000
- B. 1,000
- C. 100
- D. 0.001

Multiple Choice

8. Question # 8 1 L is the same as

- A. 1 Q
- B.  $1.0 \times 10^3$  ml
- C. 1000 g
- D. 3.14159 pts

Multiple Choice

9. Question # 9 1 decimeter is the same as

- A. 0.1 m
- B. 0.01 m
- C. 0.001 m
- D. 1000 mm

Multiple Choice

10. Question # 10 1 centimeter is the same as

- A. 0.1 m
- B. 0.01m
- C. 0.001 m
- D. 10 mm

Multiple Choice

11. Question # 11 100 Deg C is the same as:

- A. -273 Deg K
- B. 0 Deg K
- C. 273 Deg K
- D. 373 Dec K

Multiple Choice

12. Question # 12 The boiling point of water is:

- A. 100 Deg F
- B. 100 Deg C
- C. 100 Deg K
- D. None of the above

Multiple Choice

13. Question # 13 Based on your knowledge of Density Calculations, which is denser:

- A. One Pound of Lead
- B. One Pound of Feathers
- C. None of the above
- D. All of the above

Multiple Choice

14. Question # 14 10 ml of water weighs:

- A. 0.100 kg
- B. 10 grams
- C. 1 cc
- D. None of the above

Multiple Choice

15. Question # 15 When the calculation  $(0.005215) * (0.08212) * (273) / (4.1)$  is performed, the answer should be reported to how many significant digits:

- A. 1
- B. 2
- C. 3
- D. 4

Multiple Choice

16. Question # 16 When the following calculation is performed

$$\begin{array}{r} 0.005215 \\ 0.08212 \\ 273.2 \\ + \quad \underline{4.1} \\ \hline \end{array}$$

the answer should be reported to how many significant digits:

- a. 9
- b. 2
- c. 4
- d. None of the above

Multiple Choice

17. Question # 17 Which are States of Matter

- A. Solid
- B. Mass
- C. Light
- D. Grams

Multiple Choice

18. Question # 18 Which are Physical Properties

- A. Food is digested in our stomach
- B. Ability to react with Oxygen
- C. Color
- D. A plant grows

Multiple Choice

19. Question # 19 Which are Chemical Properties:

- A. Boiling Point
- B. Odor
- C. Color
- D. A plant grows

Multiple Choice

20. Question # 20 Iron metal is melted

- A. Physical Property
- B. Chemical Property
- C. None of the above
- D. A Hypothesis

Multiple Choice

21. Question # 21 Iron combines with oxygen to form rust

- A. Physical Property
- B. Chemical Property
- C. None of the above
- D. A Hypothesis

Multiple Choice

22. Question # 22 – Think! Ice Melts

- A. Physical Property
- B. Chemical Property
- C. Physical Change
- D. Chemical Change

Multiple Choice

23. Question # 23 - Think! Silver tarnishes

- A. Physical Property
- B. Chemical Property
- C. Physical Change
- D. Chemical Change

Multiple Choice

24. Question # 24 A homogeneous mixture

- A. Wood
- B. Ice Tea
- C. Chocolate and Vanilla swirl ice cream
- D. The contents of this classroom

Multiple Choice

25. Question # 25 Distillation can be used to purify

- a. A mixture of solids
- b. A mixture of liquids
- c. Homogeneous Mixtures
- d. Heterogeneous Mixtures