

MID TERM 1 EXAMINATION 2019
S.1 CHEMISTRY
TIME: 2 HOURS

INSTRUCTIONS

Answer all questions

Circle the best alternative answer in section A and attempt all questions in section B in spaces provided

SECTION A

1. Which one of the following substances does not undergo a physical change?
A. Sulphur B. iodine C. wax D. iron(iii) chloride
2. Which of the following is not a mixture?
A. Steel B. water C. air D. bronze
3. The latin name for silver is
A. Hydragium B. argentums C. aurium D. plumbium
4. The following are examples of chemical change except
A. Rusting B. Germination C. Melting D. burning of paper
5. What is the symbol of chlorine?
A. CL B. cl C. Cl D. cL
6. The luminous flame is
A. Small and yellow
B. Large and yellow
C. Small and blue
D. Large and blue
7.is the process by which solid iodine turns to vapour iodine
A. Melting B. evaporation C. sublimation D. condensation

8. Which one of the following substances does not sublime when heated?

- A. Ammonia chloride B. iodine C. Iron(III) chloride
D. Iron(II) chloride

SECTION B

9(i) Define the following and give 2 examples of each

a) Physical change

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Examples

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b) Chemical change

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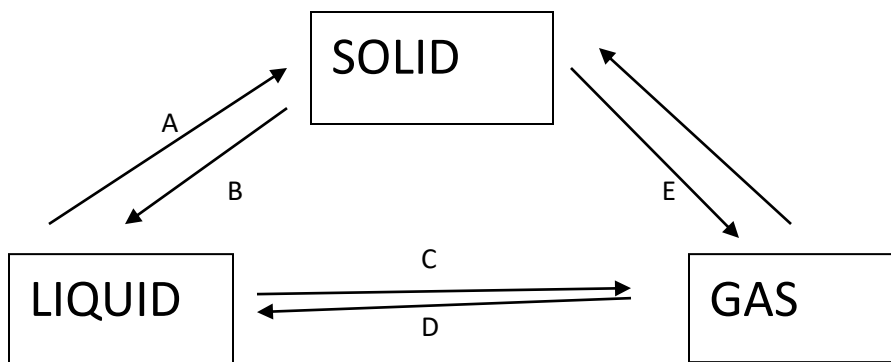
Examples

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ii) Differentiate between physical and chemical change

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10. Following diagram shows the three states of matter and how they can interchanged



a) Name the change A to E

- A.
- B.
- C.
- D.
- E.

b) Name any 2 substances that undergo process E

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11a) what is chemistry?

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b) Give three reasons why it is important to study chemistry

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c) State any five laboratory rules

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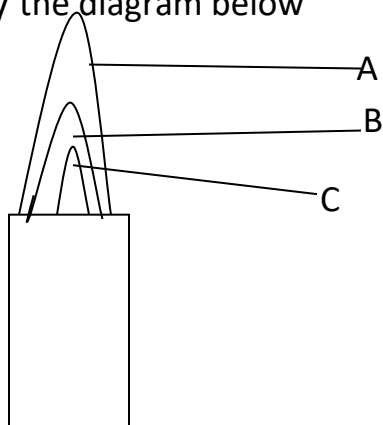
12a) Give two types of Bunsen flames

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b) Give four differences between the flames you have named in (b) above

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c) Study the diagram below



a) Name the zones A, B and C

A..... B..... C.....

b) Identify the Bunsen flame shown

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c) State the condition under which such a flame is produced

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d) Give any two advantages of using the flame for heating chemicals in the chemistry lab

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13. a) Explain what is meant by

i) miscible liquids

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ii) immiscible liquids

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iii) atom

iv) element

.....

v) compound

.....

vi) mixture

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c) Give an example of

i) Miscible liquids.....

ii) Immiscible liquids.....

iii) Element.....

iv) Compound.....

v) Mixture.....

END

Chemical success