

Department of technology

Grade: third year students

Specialty: chemical engineering

Module: English

3 . a p

First exam

Evaporation is the process that changes a liquid into a gas. It can occur at any temperature, and is due to the movement of molecules in the liquid. For example, water left in a saucer will gradually evaporate. The water molecules escape into the air as a gas-water vapour.

The warmer the air, the more moisture it can hold in the form of vapour. Every second, about 15 million tons of moisture is evaporated from the earth's surface by the heat of the sun. Water evaporated from the ocean often travels hundreds of kilometers before falling as rain.

When air contains the maximum water vapour possible for its temperature, it is said to be saturated. Below this temperature, called the dew point for a particular mass of air, the water vapour begins to condense into water droplets.

The amount of water vapour in the air is called its humidity. Relative humidity is the actual amount of water vapour in the air compared with the amount the air would hold if saturated. Relative humidity is usually expressed as a percentage, and in many regions is of major importance in weather reports. Humidity is very high in the tropics, particularly in coastal regions.

Part one:

1- What is the main idea of the text? Choose the most appropriate one. (1pt)

- 1- Evaporation.
- 2- Humidity.
- 3- Temperature.

2- Determine if the following statements are true or false. (4pts)

- 1- Evaporation vanishes when a liquid substance becomes a gas.
- 2- The amount of water vapour in the air is called moisture.
- 3- The absolute humidity is usually expressed as a percentage.
- 4- Humidity is extremely high particularly in littoral regions.

3/ Answer the following questions: (3pts)

- 1- What is the relative humidity?
- 2- When the air becomes saturated?
- 3- Is the amount of water vapour in the air called its moisture? Justify?

Part two:

1- Based on the text find words or expressions closest in meaning to the following terms: (1pt)

a- happen

b- steam

2- Based on the text find words or expressions opposite in meaning to the following terms: (1pts)

a- inland

b- generally

3- Find in the text: (2pts)

1- A sentence contains a conjunctive adverb that indicates illustration.

2- A complex sentence.

4- Rewrite the following sentences: (2pts)

1- Vitamin A increases the risk of hair loss.

The risk

2- She has to revise all of her lessons.

All

Part three:

Choose one of these to answer: (fill in the blanks or summary)

1/ fill in the blanks: (6pts)

Organic- reactions- carbon- chemical- behavior- composition.

..... chemistry studies the structure, properties and of organic compounds, which contain in covalent bonding. The study of structure determines their chemical and formula and the study of properties includes physical and properties, and evaluation of chemical reactivity to understand their The study of organic reactions includes the chemical synthesis of natural products, drugs, and polymers, and study of individual organic molecules in the laboratory and via theoretical study.

Chemical- raw materials- production- products- designing- chemicals

..... engineering involves the and manufacturing of through chemical processes. This includes equipment, systems, and processes for refining and for mixing, compounding, and processing

2/ summarize the text by using your own words (6pts)

Best of luck

Correction of the first English exam

(3 year students chemical/ process engineering)

Part one:

1/ the main idea of the text is evaporation (1pt)

2/ true/false (4pts)

1→false

2→ true

3→ false

4→ true

3/ answer the questions from the text (3pts)

1/ the relative humidity is the actual amount of water vapour in the air compared with the amount the air would hold if saturated.

2/ the air becomes saturated when it contains the maximum water vapour possible for its temperature.

3/ yes, it is. justification→ the amount of water vapour in the air is called humidity. Humidity= moisture

Part two:

1/ synonyms and opposite (2pts)

Happen= occur

steam= vapour

Inland=/= coastal

genera

lly=/= particularly

2/ find in the text (2pts)

a/ a sentence contains a conjunctive adverb that indicates illustration: for example, water left the saucer will gradually evaporate.

b/ a complex sentence (we have many of them in the text)

when the air contains the maximum water vapour possible for its temperature, it is said to be saturated.

3/ active and passive voice (2pts)

1/the risk of hair loss is increased by vitamin A

2/all of her lessons have to be revised by her.

Part three: choose one of these to answer

1/ fill in blanks (6pts)

Paragraph 1 → organic- reactions- carbon- composition- chemical- behavior

Paragraph2→ chemical- production- products- designing- raw materials- chemicals

2/ summarizing the text (6pts)