

[CHEM 120 084 - SPRING 2009 \(CHEM-120-084-SPRING09\)](#) > [CONTROL PANEL](#) > [TEST MANAGER](#) > TEST CANVAS



Test Canvas

Add, modify, and remove questions. Select a question type from the Add Question drop-down list and click **Go** to add questions. Use Creation Settings to establish which default options, such as feedback and images, are available for question creation.

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Name Quiz 1-Chp.1

Description Quiz 1 deals with the concepts you learned in the first half of the chapter 1. Before taking this quiz make sure you have read the materail in chapter 1 and browsed the quuestions in the sample for chapter 1.

Instructions Please submit your answers to the quiz 1 following navigation buttons.

[Modify](#)

[◀ Add Question Here](#)

Question 1

Multiple Choice

1 points

[Modify](#)

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Question Large amount of data summarized in a brief statement

Answer



Scientific Law.

Scientific Thoery.

Hyphothesis.

Further experiment to prove the validity of the theory.

Correct Feedback Collecting data using an scientific instrument.

[◀ Add Question Here](#)

Question 2

Multiple Choice

1 points

[Modify](#)

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Question Best explanation for a observable phenomena as of today

Answer

Scientific law.



Scientific theory.

Scientific observation.

Hyphothesis.

Scientific experiment.

[◀ Add Question Here](#)

Question 3

Matching

1 points

[Modify](#)

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Question Match the follwoing scientific disciplines to description

Answer

Match Question Items

Answer Items

B. - A.
Physics

A. All forms of living organisms their origin, structure, development, function, and distribution.

A. - B. Biology

B. Matter and energy in a scale ranging from subatomic particles to planets and stars.

C. - C.
Mathematics

C. Imaginary abstractions of patterns found in time, space, sciences, and computers using numbers and models.

D. - D. Chemistry

D. All forms of matter, mixtures, elements & compounds and their nonreversible changes.

E. - E.
Engineering

E. Application of scientific principles to make devices for a specific practical application.

- G. - F. Astronomy F. Alleviating pain and suffering of human being afflicted with diseases by giving medicine, surgical intervention and advice.
F. - G. Medicine G. All forms of planets and stars their composition, origin, and evolution.

◀ [Add Question Here](#)

Question 4 **Multiple Choice** **1 points**

[Modify](#)

[Remove](#)

Question

Which of the following is a property of both the liquid state and the solid state?

Answer

- a definite shape
- an indefinite volume
- an indefinite shape and a definite volume
- ✓ a definite mass

◀ [Add Question Here](#)

Question 5 **Multiple Choice** **1 points**

[Modify](#)

[Remove](#)

Question

In which of the following pairs of properties are both properties *chemical* properties?

Answer

- freezes at 10°C and nonflammable
- ✓ decomposes on contact with water and reacts with nitric acid
- good reflector of light and is blue in color
- has a high density and is very brittle

◀ [Add Question Here](#)

Question 6 **Multiple Choice** **1 points**

[Modify](#)

[Remove](#)

Question

When a substance undergoes a *chemical* change it is always true that

Answer

- it solidifies
- it changes from a gas to a liquid
- ✓ there is a change in the identity of the substance
- there is no heat evolved or absorbed

◀ [Add Question Here](#)

Question 7 **Multiple Choice** **1 points**

[Modify](#)

[Remove](#)

Question

The description “two substances present, two phases present” is correct for

Answer

- ✓ heterogeneous mixtures.
- homogeneous mixtures.
- elements.
- compounds.

◀ [Add Question Here](#)

Question 8 **Multiple Choice** **1 points**

[Modify](#)

[Remove](#)

Question

Which of the following statements about heterogeneous and homogeneous mixtures is *correct*?

Answer

- ✓ It is possible to have heterogeneous mixtures in which all the components are liquids.
- A homogeneous mixture contains visibly different parts, or phases.

All of the phases in a heterogeneous mixture must be in the same state.
No two phases in a heterogeneous mixture can be in the same state.

[◀ Add Question Here](#)

Question 9 **Multiple Choice** **1 points**

[Modify](#)[Remove](#)**Question**

Which of the following statements is *correct*?

Answer

- Elements, but not compounds, are pure substances.
- Compounds, but not elements, are pure substances.
- ✓ Both elements and compounds are pure substances.
- Neither elements nor compounds are pure substances.

[◀ Add Question Here](#)

Question 10 **Multiple Choice** **1 points**

[Modify](#)[Remove](#)**Question**

An element is a substance which

Answer

- can be broken down into simpler substances by physical means.
- cannot be broken down into simpler substances by physical means.
- can be broken down into simpler substances by chemical means.
- ✓ cannot be broken down into simpler substances by chemical means.

[◀ Add Question Here](#)

Question 11 **Multiple Choice** **1 points**

[Modify](#)[Remove](#)**Question**

In which of the following pairs of properties are both properties *physical* properties?

Answer

- melts at 73° C, decomposes upon heating
- good reflector of light, blue in color
- has a high density, is very hard
- ✓ more than one correct response
- no correct response

[◀ Add Question Here](#)

Question 12 **Multiple Choice** **1 points**

[Modify](#)[Remove](#)**Question**

Which of the following changes is a *chemical* change?

Answer

- melting of ice
- pulverizing of hard sugar cubes
- ✓ rusting of iron
- more than one correct response
- no correct response

[◀ Add Question Here](#)

Question 13 **Multiple Choice** **1 points**

[Modify](#)[Remove](#)**Question**

The description “two substances present, two phases present” is *correct* for

Answer

- a mixture of ice and water.

- ✓ a mixture of oil and water.
- a mixture of milk and water.
- more than one correct response
- no correct response

[◀ Add Question Here](#)

Question 14

Multiple Choice**1 points**[Modify](#)[Remove](#)**Question**

Which of the following statements concerning mixtures is *correct*?

Answer

- The composition of a homogeneous mixture cannot vary.
- A homogeneous mixture can have components present in two physical states.
- ✓ A heterogeneous mixture containing only one phase is an impossibility.
- more than one correct response
- no correct response

[◀ Add Question Here](#)

Question 15

Multiple Choice**1 points**[Modify](#)[Remove](#)**Question**

Which of the following statements concerning pure substances is *correct*?

Answer

- Elements, but not compounds, are pure substances.
- A pure substance can never be separated into simpler pure substances using chemical means.
- ✓ Pure substances cannot have a variable composition.
- more than one correct response
- no correct response

[◀ Add Question Here](#)[OK](#)