

Physical Science: Unit 1 REVIEW

Science is the study of

- A** life.
- B** the natural world.
- C** ecology.
- D** technology.

Which of the following is NOT a branch of science?

- A** technology
- B** biology
- C** chemistry
- D** geology

The scientific method often begins with

- A** forming a hypothesis.
- B** conducting an experiment.
- C** observation.
- D** analyzing data.

A representation of an object or event that can be studied to understand the real object or event is called

- A** a theory.
- B** a scientific law.
- C** an epiphany.
- D** a model.

Scientific theories are

- A** always proven.
- B** never correct.
- C** changeable based on new evidence.
- D** the stuff of dreams.

The group in a controlled experiment that is treated with the independent variable is the

- A control group.**
- B uncontrolled group.**
- C experimental group.**
- D base group.**

Changeable factors of an experiment are called

- A variables.**
- B theories.**
- C laws.**
- D models.**

It's okay for a hypothesis to be incorrect.



True



False

The base unit for measuring distance in the metric system is the

- A gram.**
- B foot .**
- C meter.**
- D liter.**

The metric system is based in multiples of

A 100.

B 10.

C 5.

D 50.

Six kilograms is equal to

to

- A** 6000 L
- B** 6000 g
- C** 6000 mg
- D** 600 g

The tool used to measure liquid volume is

- A** a graduated cylinder.
- B** a ruler.
- C** a triple-beam balance.
- D** a scale.

The metric prefix centi means

A 1/1000

B 100

C 10

D 1/100

_____ is/are a description of how close a measurement is to the true value of the quantity measured.

- A Precision**
- B Lavendar**
- C Accuracy**
- D Alpha particles**

**The measure of the amount
of SPACE an objects
occupies is its**

- A mass.**
- B matter.**
- C inertia.**
- D volume.**

Which type of graph would you use to compare similar data for several individual items or events?

- A** line graph
- B** pie chart
- C** bar graph
- D** data table

Take this number OUT of scientific notation.

$$6.54 \times 10^{-3}$$

- A** 6540
- B** 654000
- C** 0.0654
- D** 0.00654

**Put this number INTO
scientific notation.**

5,324,000,000,000

- A** 5.324×10^{-12}
- B** 53.24×10^{12}
- C** 5.324×10^{12}
- D** 53.24×10^{-12}

The _____ of a measurement
it its exactness.

- A** precision
- B** accuracy
- C** significant figure
- D** magenta

When using a ruler to measure in cm, you measure to the ____ place.

- A 10ths**
- B 100ths**
- C 1000ths**
- D whole numbers**