

Name: _____

Score: _____

8 True/False questions

Definition

By adding energy to make it turn from a solid to a liquid to a gas!

Term

1 of 25

How do we create a phase change in matter?

True

False

Definition

Changing your velocity over time.

Term

2 of 25

Acceleration

True

False

Definition

Friction created by gasses; pushes against objects as they try to move through a gas.

Term

3 of 25

Friction

True

False

Definition

How much 3-dimensional space an object occupies.

Term

4 of 25

Volume

True

False

Definition

Energy bouncing off of a surface.

Term

5 of 25

Convection

True

False

Definition

Can travel through matter. Used by doctors to see bones.

Term

6 of 25

X-Ray radiation

True

False

Definition

How many wavelengths pass a point per second

Term

7 of 25

Inference

True

False

| Definition | Term | 8 of 25 |
|------------------------------------|------------|---------|
| Energy moving through an object. | Convection | |
| <input type="radio"/> True | | |
| <input type="radio"/> False | | |

9 Multiple choice questions

| | |
|--|----------|
| Definition | 9 of 25 |
| The energy of motion. | |
| <input type="radio"/> Potential Energy | |
| <input type="radio"/> Power | |
| <input type="radio"/> Kinetic Energy | |
| <input type="radio"/> Thermal Energy | |
| Definition | 10 of 25 |
| Is matter a solid, liquid, or gas? | |
| <input type="radio"/> Internal Energy | |
| <input type="radio"/> Relative Density | |
| <input type="radio"/> Thermal Energy | |
| <input type="radio"/> Physical State | |
| Definition | 11 of 25 |
| Energy passing through an object without being absorbed. | |
| <input type="radio"/> Transmission | |
| <input type="radio"/> Refraction | |
| <input type="radio"/> Conduction | |
| <input type="radio"/> Absorption | |
| Definition | 12 of 25 |
| A push or pull on an object. | |
| <input type="radio"/> Inertia | |
| <input type="radio"/> Force | |
| <input type="radio"/> Velocity | |
| <input type="radio"/> Friction | |

Definition

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A statement predicting how the independent variable will affect the dependent variable.

Hypothesis

Inference

Dependent Variable

Observation

Definition

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Combined substances that can be separated back into their original compounds.

Volume

Liquid

Mixture

Matter

Definition

15 of 25

What is created in a chemical reaction

Product

Reactant

Solutions

Weight

Definition

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The amount of force carried by an object.

Velocity

Force

Friction

Inertia

Definition

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Energy stored in an object's position.

Kinetic Energy

Radiant Energy

Gravitational Potential Energy

Convection

8 Matching questions

A reaction where energy is absorbed by the reactants, making the surroundings colder.

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A. Electromagnetic Spectrum

The variable that responds to the change we did at the beginning of the experiment.

B. Elastic Potential Energy

Given off by nuclear materials. Can cause cancer and other illnesses.

C. Inexhaustible Resource

The variable we change or manipulate before an experiment begins.

D. Endothermic Reaction

Energy stored in a stretched object.

E. Renewable Resource

All energy that can travel in waves sorted from low frequency to high frequency.

F. Dependent Variable

An energy resource that will never run out of and do not need to create more of.

G. Gamma Radiation

An energy resource that we can create more of.

H. Independent Variable