

Chapter 2 Properties of Matter

WordWise

Answer the questions by writing the correct vocabulary term in the blanks. Use the circled letter in each term to find the hidden vocabulary word. Then, write a definition for the hidden word.

DAY 4

Clues

A mixture that results when substances dissolve to form a homogeneous mixture

A substance that can be broken down into two or more simpler substances

A change in which the composition of matter stays the same

A solid that forms and separates from a liquid mixture

A substance that cannot be broken down into simpler substances

The ability of a material to allow heat to flow

A classification for matter that always has the same composition

The ability of a material to burn

A homogeneous mixture containing particles that scatter light

The temperature at which a substance changes from a liquid to gas

Vocabulary Terms

○ _____

_____ ○ _____

_____ ○ _____

_____ ○ _____

○ _____

_____ ○ _____

_____ ○ _____

_____ _____ ○ _____

_____ ○ _____

_____ _____ _____ ○ _____

Hidden Term: _____

Definition: _____

Chapter 3 States of Matter

WordWise

Answer the questions by writing the correct vocabulary term in the blanks. Use the circled letter in each term to find the hidden vocabulary word. Then, write a definition for the hidden word.

DAY
5

Clues

Vocabulary Terms

What is the process that changes a substance from a liquid to a gas below the substance's boiling point?

_____ Q _____

Which gas law states that the volume of a gas is directly proportional to its temperature?

_____ Q _____

What is the phase change in which a substance changes directly from a gas to a solid?

_____ Q _____

In what state does matter have both a definite shape and a definite volume?

Q _____

What is the phase change in which a substance changes from a gas to a liquid?

_____ Q _____

What is the phase change in which a substance changes directly from a solid to a gas?

_____ Q _____

During what type of phase change does a substance release energy to its surroundings?

_____ Q _____

During what type of phase change does a substance absorb energy from its surroundings?

Q _____

Hidden Term: _____

Definition: _____

Chapter 4 Atomic Structure

WordWise

Solve the clues to determine which vocabulary terms from Chapter 4 are hidden in the puzzle. Then find and circle the terms in the puzzle. The terms may occur vertically, horizontally, or diagonally.

e m a s s n u m b e r u n
n l o r b i t a l x a p i
r e e n l t p t s p b k s
g n a c a s r d c r h l o
b e l d t g o f l s g a t
l r t s o r t g r n b t o
n g z b m o o p l q d c p
p y q p i u n n m a s s e
s l n m c n n u c l e u s
t e u e n d r i o l k m r
r v c l u s v a b t o p k
z e l x m t w e s r n u e
p l e m b a r l e t a b d
b s a q e t z o c m r n k
r t s i r e h j n s f l t

DA-1
6

Clues

Dense, positively charged mass in the center of an atom

Positively charged subatomic particle found in the nucleus

Neutral subatomic particle found in the nucleus

Number of protons in an atom of an element

Sum of the protons and neutrons in the nucleus of an atom

Atoms of the same element having different numbers of neutrons

Possible energies that electrons in an atom can have

Visual model of the most likely locations for electrons in an atom

Region of space where an electron is likely to be found

Term for an atom whose electrons have the lowest possible energies

Hidden Words
