

Name \_\_\_\_\_

## Element Word Search

### Halogens Clue Based Word Search Answer Key

Directions: Find the words in the puzzle based on clues below.

Q P G I K U R A I P L K I V I B E I I A  
U F B Q P E S L Q K V H K W D R R O Z Q  
S L I H M P Z S I C U E R F S O Q U U M  
Y U A D I A T O M I C Z B P Y M D G F A  
F O O H B L R H I N P A S H M I E Q H C  
Y R H Z A O F I D R P B Q S O N A P C J  
D I E S F J N O Z E C N M N I E J W E A  
U N B A F M J D N R Z R R S E A B J P N  
Q E Y T C H Y I E M Q P S B D R F O L U  
P J Y Q V T R N Z L G E E J P L S Y F H  
Q N A W O O I E Q O N F N D M D I S M K  
G X P R L T C V S N T N E S P Y I B Y Q  
W V B H A R O P E F Z U T D S N I X M X  
E E C T U J N T E X U M R V A Q W L E V  
G N S Q U W R R Q W J P A A W V C B E W  
E A H J Q D X B X K Y E W R N R C J V C  
I N C S Q V I T M U Z Y O S O A O X X N  
X V T H S S N Y N I U M H Z V J B O S V  
V E O C K A P D C N D F M I E N U V A Y  
H K G E A N Q P W F Z Z E C R T G Q X R

- Fluorine - A pale yellow gas known for its high electronegativity and ability to form strong compounds with nearly every element.
- Chlorine - A greenish-yellow gas widely used as a disinfectant and in the production of plastics like PVC.
- Bromine - A reddish-brown liquid at room temperature, commonly used in flame retardants and photography chemicals.
- Iodine - A lustrous, dark-colored solid that sublimates to a violet gas and is essential for thyroid function in living organisms.
- Astatine - A rare and highly unstable element, primarily studied in laboratory settings due to its radioactive properties.
- Tennessine - A synthetic, heavy element at the bottom of its group, with limited data due to its short-lived isotopes.
- Diatomic - A characteristic of elements in this group forming pairs of atoms when in their pure gaseous states.
- Reactive - A term describing the tendency of these elements to readily interact with metals and nonmetals to form compounds.
- Salts - Ionic compounds often formed when these elements combine with metals, commonly found in crystalline solids.
- Bond - A connection formed between atoms of these elements and others, often resulting in polar compounds.

