

**Puzzle – Atomic Structure & Minerals**

1. The building blocks of matter, indivisible until the Nuclear Age.
2. A positively charged particle that resides in the nucleus of an atom.
3. An atom that has lost or gained electrons and become electrically charged.
4. A scale that establishes standards to compare the hardness of the minerals.
5. Most of the rock-forming minerals belong to this classification of minerals.
6. A property of minerals that describes how light interacts with the mineral's surface.
7. A negatively charged particle that is located in orbitals around the nucleus of an atom.
8. The color of a mineral in its powdered form.
9. The last subatomic particle to be discovered because it is electrically neutral.
10. A property of minerals that ranks their capacity to scratch one another.
11. The tendency of a mineral to break along smooth flat surfaces.
12. The center-most region of an atom.

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