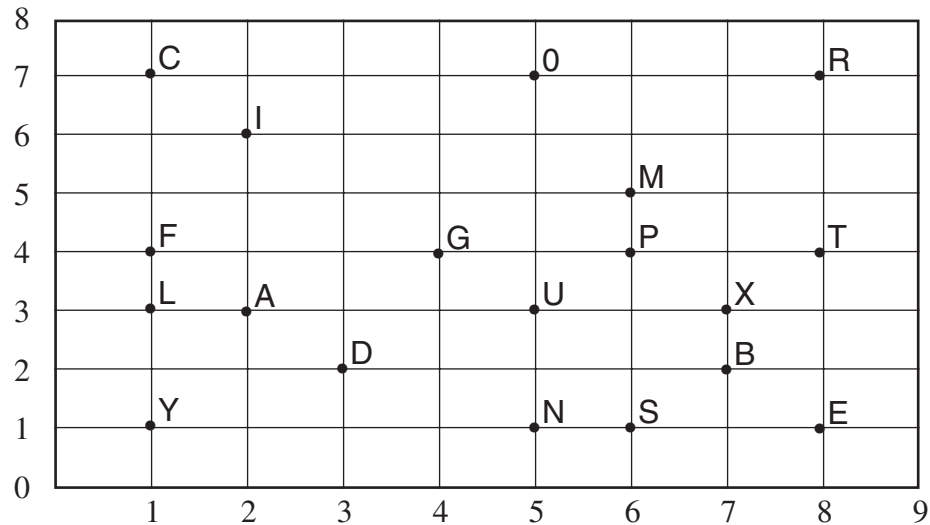


Rocks and Minerals: Plot the Answers

Learn some facts about rocks and minerals as you find the missing words in the sentences. Use the number pairs listed in each sentence to determine the missing letters on the grid. Then, write the correct letter on the proper line in the sentence. **Reminder:** Use the numbers at the bottom of the grid to find the first number of the pair.



- Sulfides are $\frac{1,7}{1,7}$ $\frac{5,7}{5,7}$ $\frac{6,5}{6,5}$ $\frac{6,4}{6,4}$ $\frac{5,7}{5,7}$ $\frac{5,3}{5,3}$ $\frac{5,1}{5,1}$ $\frac{3,2}{3,2}$ $\frac{6,1}{6,1}$ that have atoms of sulfur and atoms of a metal.
- The sulfides are important because they provide important metals. Minerals that are mined for their metals are called $\frac{5,7}{5,7}$ $\frac{8,7}{8,7}$ $\frac{8,1}{8,1}$ $\frac{6,1}{6,1}$.
- Pyrite is the most common sulfide mineral on earth and is found just about everywhere. Sometimes it looks like gold. Pieces in streams have fooled miners, so it was nicknamed $\frac{1,4}{1,4}$ $\frac{5,7}{5,7}$ $\frac{5,7}{5,7}$ $\frac{1,3}{1,3}$ $\frac{6,1}{6,1}$ $\frac{4,4}{4,4}$ $\frac{5,7}{5,7}$ $\frac{1,3}{1,3}$ $\frac{3,2}{3,2}$.
- Sulfosalts are minerals that have sulfur, a metal (either silver, copper, or lead), and a semimetal. The semimetals are bismuth, antimony, and $\frac{2,3}{2,3}$ $\frac{8,7}{8,7}$ $\frac{6,1}{6,1}$ $\frac{8,1}{8,1}$ $\frac{5,1}{5,1}$ $\frac{2,6}{2,6}$ $\frac{1,7}{1,7}$.
- The $\frac{5,7}{5,7}$ $\frac{7,3}{7,3}$ $\frac{2,6}{2,6}$ $\frac{3,2}{3,2}$ $\frac{8,1}{8,1}$ $\frac{6,1}{6,1}$ are very important minerals. Oxygen is a part of the air we breathe. It is also in water and magmas.
- The $\frac{1,7}{1,7}$ $\frac{2,3}{2,3}$ $\frac{8,7}{8,7}$ $\frac{7,2}{7,2}$ $\frac{5,7}{5,7}$ $\frac{5,1}{5,1}$ $\frac{2,3}{2,3}$ $\frac{8,4}{8,4}$ $\frac{8,1}{8,1}$ $\frac{6,1}{6,1}$ are a group of beautiful and very common minerals.
- $\frac{5,1}{5,1}$ $\frac{2,6}{2,6}$ $\frac{8,4}{8,4}$ $\frac{8,7}{8,7}$ $\frac{2,3}{2,3}$ $\frac{8,4}{8,4}$ $\frac{8,1}{8,1}$ $\frac{6,1}{6,1}$ have a nitrogen atom surrounded by three oxygen atoms. Sodium is a nitrate found in dry, desert areas.
- $\frac{4,4}{4,4}$ $\frac{1,1}{1,1}$ $\frac{6,4}{6,4}$ $\frac{6,1}{6,1}$ $\frac{5,3}{5,3}$ $\frac{6,5}{6,5}$ is probably the most common sulfate. It has a Mohs hardness of two, and can be scratched with your fingernail.