

Ch. 3 Questions

ser each question completely. If you have questions, please ask early. Late Penalties Apply.

1. List 4 characteristics that all minerals share.
2. Describe two ways that minerals can form from solution.
3. Explain whether diamonds made in the laboratory are considered to be minerals.
4. The mineral dolomite, a rock-forming mineral, contains oxygen, carbon, magnesium, and calcium. Is dolomite a silicate? Explain.
5. Explain how an unglazed porcelain tile can be used to identify a mineral.
6. What hardness does a mineral have if it does not scratch glass, but it scratches an iron nail?
7. Explain why the Cullinan diamond is an important gem.
8. Examine Table 2 (Page 74-75). What do rubies and sapphires have in common?
9. Explain why bauxite is considered to be an useful rock?
10. Earth's average continental crust contains 5% iron and 0.007% zinc. How many times more iron than zinc is present in average continental crust?