

ANSWER KEY

GOL 106 Mineral Identification Worksheet

Identify and name the following basic rock-forming minerals. Indicate whether they are silicate or non-silicate minerals. If they are silicates, indicate whether they are mafic or felsic. If they are non-silicates, indicate whether they are carbonates or evaporites.

Mineral	Silicate or Non-Silicate	Mafic/Felsic or Carbonate/Evaporite
1. Muscovite	Silicate	Felsic
2. Olivine	Silicate	Mafic (ultramafic)
3. Quartz	Silicate	Felsic
4. Calcite	Non-silicate	Carbonate
5. Plagioclase feldspar	Silicate	Felsic
6. Biotite	Silicate	Felsic
7. Halite	Non-silicate	Evaporite
8. Pyroxene & amphibole Augite & hornblende	Silicate	Mafic
9. Dolomite	Non-silicate	Carbonate
10. Gypsum	Non-silicate	Evaporite
11. Garnet	Silicate	Mafic
12. Potassium feldspar	Silicate	Felsic