

Forensics Day 27 Virtual Density Lab: Answers

Score 20 points for a complete table, lose one point for each gap in your table.

Mineral	Left cylinder water level	Right cylinder water level	Volume of mineral	Weight of mineral	Density of mineral	Description	Mineral Identified
#12	750	850	100	232.5	2.325	Student's observations	Gypsum
#6	680	740	60	164.2	2.737		Feldspar
#9	880	940	60	200.6	3.343		Biotite Mica
#21	620	790	170	437.3	2.572		Feldspar
#13	820	1000	180	375.8	2.088		Probably Halite
#24	780	870	90	304.5	3.383		Olivine
#19	780	860	80	376.5	4.706		Ilmenite
#113	850	970	120	516.6	4.305		Stannite
#112	650	730	80	358.8	4.485		Barite

9. Using pictures from the Internet of any minerals identified and your initial observation of what each mineral looked like, would you say that this is a good method of identifying minerals. Why or why not? How could this lab be improved?

Student's own response. Score up to 5 points for complete sentences explaining why or why not this is a good method. Score up to 5 points for complete sentences on how this lab could be improved.