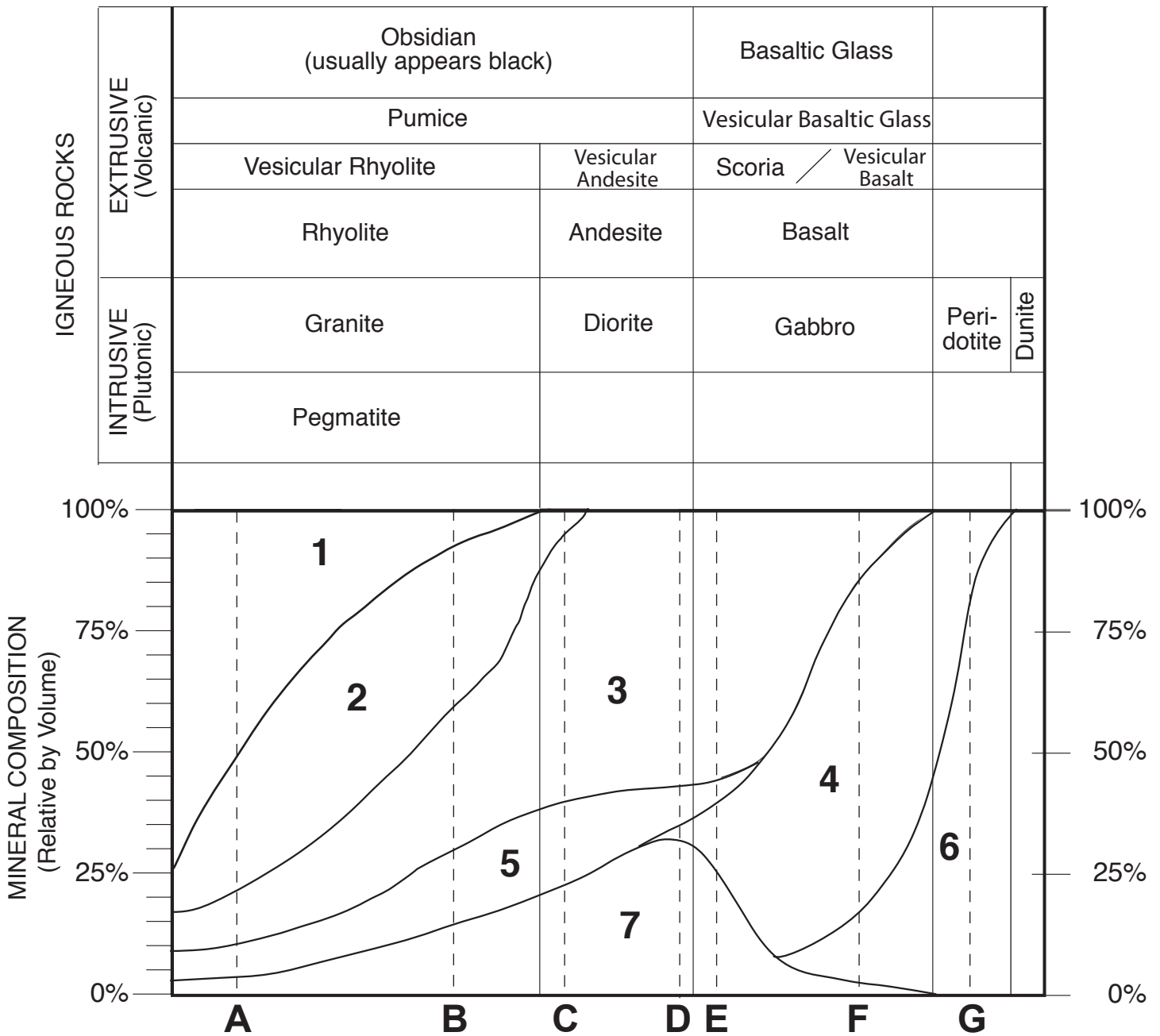


# Scheme for Igneous Rock Identification



MINERAL NAME	DENSITY (g/cm <sup>3</sup> )
1 Potassium feldspar	2.57
2 Quartz	2.65
3 Plagioclase feldspar	2.62
4 Pyroxene	3.30
5 Biotite	3.00
6 Olivine	3.40
7 Amphibole	3.20

<b>ROCK A: Granite</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
Amphibole		3.20	
Biotite		3.00	
Olivine		3.40	
Plagioclase feldspar		2.62	
Potassium feldspar		2.57	
Pyroxene		3.30	
Quartz		2.65	
<b>SUM:</b>			

<b>ROCK B: Granite</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
Amphibole		3.20	
Biotite		3.00	
Olivine		3.40	
Plagioclase feldspar		2.62	
Potassium feldspar		2.57	
Pyroxene		3.30	
Quartz		2.65	
<b>SUM:</b>			

<b>ROCK C: Diorite</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
Amphibole		3.20	
Biotite		3.00	
Olivine		3.40	
Plagioclase feldspar		2.62	
Potassium feldspar		2.57	
Pyroxene		3.30	
Quartz		2.65	
<b>SUM:</b>			

<b>ROCK D: Diorite</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
Amphibole		3.20	
Biotite		3.00	
Olivine		3.40	
Plagioclase feldspar		2.62	
Potassium feldspar		2.57	
Pyroxene		3.30	
Quartz		2.65	
<b>SUM:</b>			

<b>ROCK E: Gabbro</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
<b>Amphibole</b>		<b>3.20</b>	
<b>Biotite</b>		<b>3.00</b>	
<b>Olivine</b>		<b>3.40</b>	
<b>Plagioclase feldspar</b>		<b>2.62</b>	
<b>Potassium feldspar</b>		<b>2.57</b>	
<b>Pyroxene</b>		<b>3.30</b>	
<b>Quartz</b>		<b>2.65</b>	
<b>SUM:</b>			

<b>ROCK F: Gabbro</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
<b>Amphibole</b>		<b>3.20</b>	
<b>Biotite</b>		<b>3.00</b>	
<b>Olivine</b>		<b>3.40</b>	
<b>Plagioclase feldspar</b>		<b>2.62</b>	
<b>Potassium feldspar</b>		<b>2.57</b>	
<b>Pyroxene</b>		<b>3.30</b>	
<b>Quartz</b>		<b>2.65</b>	
<b>SUM:</b>			

<b>ROCK G: Peridotite</b>	<b>Percentage</b>	<b>Density</b>	<b>Percentage x Density</b>
<b>Amphibole</b>		<b>3.20</b>	
<b>Biotite</b>		<b>3.00</b>	
<b>Olivine</b>		<b>3.40</b>	
<b>Plagioclase feldspar</b>		<b>2.62</b>	
<b>Potassium feldspar</b>		<b>2.57</b>	
<b>Pyroxene</b>		<b>3.30</b>	
<b>Quartz</b>		<b>2.65</b>	
<b>SUM:</b>			