

**Table A-2.** Mineral modes of planetary basalts

	<b>A-4</b>	<b>KEW-1</b>	<b>KEW-5</b>	<b>OF-1</b>
Pyroxene	37.1	41.0	45.5	
Olivine	3.3	5.2	12.2	4.7
Plagioclase		48.0	40.4	
Opaques	1.8	3.6	1.9	trace
Silica				
Matrix/Glass	56.0			91.4
Vesicles		2.2		3.9
Others	1.8			
	<b>OF-3</b>	<b>OF-8</b>	<b>OF-9R</b>	<b>OF-16</b>
Pyroxene			0.2	0.2
Olivine	5.7	1.4	0.9	1.1
Plagioclase		4.6	1.6	4.9
Opaques	0.2	trace		trace
Silica				
Matrix/Glass	94.0	89.6	94.9	92.6
Vesicles	0.1	4.4	2.4	1.2
Others				
	<b>TP-1</b>	<b>TP-15</b>	<b>TP-17</b>	<b>TP-21</b>
Pyroxene	6.0	3.9	43.5	7.0
Olivine	22.4	2.6	3.1	2.6
Plagioclase	50.1	16.3	23.7	5.1
Opaques	3.2	5.9	2.4	3.2
Silica				
Matrix/Glass	7.4	65.0	26.7	78.2
Vesicles	10.9	6.3	0.6	3.9
Others				
	<b>HAW-1</b>	<b>HAW-11</b>	<b>HAW-17</b>	<b>HAW-22</b>
Pyroxene	16.8	31.5	32.6	20.3
Olivine	3.0	11.8	12.1	2.0
Plagioclase	3.6	35.1	41.7	18.2
Opaques	0.6	12.4	8.8	
Silica				
Matrix/Glass	15.9	4.6	0.9	40.0
Vesicles	60.1	4.6	3.9	19.5
Others				
	<b>IA-1</b>	<b>IA-7</b>	<b>IA-11</b>	<b>CP-4</b>
Pyroxene	71.5	23.7	27.0	28.0
Olivine	1.5	2.5	12.8	3.2
Plagioclase	22.5	43.4	30.0	23.4
Opaques	3.0	6.0	5.0	1.0
Silica				
Matrix/Glass	0.5	12.7	4.8	38.5
Vesicles	1.0	11.7	20.4	5.9
Others				

**Table A-2.** Continued.

	<b>CP-8</b>	<b>10020</b>	<b>10062</b>	<b>12022</b>
Pyroxene	32.7	50.0	53.4	53.4
Olivine	6.7	6.4	5.4	18.4
Plagioclase	38.0	22.8	26.0	13.4
Opaques	6.6	20.0	14.0	13.4
Silica		0.6	0.8	
Matrix/Glass	16.0			
Vesicles		0.2	0.4	1.4
Others				
	<b>12051</b>	<b>12063</b>	<b>12021</b>	<b>12065</b>
Pyroxene	64.4	66.7	62.7	69.2
Olivine		3.6		3.2
Plagioclase	24.6	20.0	27.8	14.2
Opaques	7.6	9.7	8.3	11.4
Silica				
Matrix/Glass	1.5			
Vesicles	1.9		1.2	2.0
Others				
	<b>12009</b>	<b>12020</b>	<b>12075</b>	<b>15476</b>
Pyroxene	7.5	52.9	57.4	70.0
Olivine	24.5	15.2	23.0	
Plagioclase	0.0	21.7	8.3	22.3
Opaques	1.1	3.6	11.0	4.8
Silica				1.6
Matrix/Glass	66.9			
Vesicles		6.6	0.3	1.3
Others				
	<b>15016</b>	<b>15545</b>	<b>15382</b>	<b>15386</b>
Pyroxene	36.5	60.6	45.0	38.5
Olivine	9.0	8.8		
Plagioclase	13.9	24.4	44.0	40.0
Opaques	2.7	6.0	6.0	7.2
Silica	1.4			
Matrix/Glass			3.2	14.3
Vesicles	36.5	0.2	1.8	
Others				
	<b>70215</b>	<b>74275</b>	<b>Pasamonte</b>	<b>DaG476</b>
Pyroxene	44.2	50.1	65.3	57.9
Olivine	9.8	9.5		21.3
Plagioclase	21.2	13.4	30.8	12.1
Opaques	24.8	27.0	1.6	3.2
Silica				
Matrix/Glass			2.3	4.3
Vesicles				
Others				1.2

**Table A-2.** Continued.

	<b>ALH77005<sup>a</sup></b>	<b>LEW88516<sup>a</sup></b>	<b>Shergotty<sup>b</sup></b>	<b>QUE9420<sup>c</sup></b>
<b>Pyroxene</b>	13.2	37.3	70.5	44.0
<b>Olivine</b>	60.2	45.9		
<b>Plagioclase</b>	9.5	7.0	23.9	46.0
<b>Opakes</b>	2.9	1.0	2.8	2.0
<b>Silica</b>				
<b>Matrix/Glass</b>	13.7	7.7	2.8	4.0
<b>Vesicles</b>				
<b>Others</b>	0.5	1.1		4.0

<sup>a</sup>Trieman et al. (1994)

<sup>b</sup>Stolper and McSween (1979)

<sup>c</sup>Harvey et al. (1996)