

Table A-2. Mineral modes of planetary basalts

	A-4	KEW-1	KEW-5	OF-1
Pyroxene	37.1	41.0	45.5	
Olivine	3.3	5.2	12.2	4.7
Plagioclase		48.0	40.4	
Opagues	1.8	3.6	1.9	trace
Silica				
Matrix/Glass	56.0			91.4
Vesicles		2.2		3.9
Others	1.8			
	OF-3	OF-8	OF-9R	OF-16
Pyroxene			0.2	0.2
Olivine	5.7	1.4	0.9	1.1
Plagioclase		4.6	1.6	4.9
Opagues	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				
	TP-1	TP-15	TP-17	TP-21
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
Opagues	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				
	HAW-1	HAW-11	HAW-17	HAW-22
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
Opagues	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				
	IA-1	IA-7	IA-11	CP-4
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
Opagues	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.

	CP-8	10020	10062	12022
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				
	12051	12063	12021	12065
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				
	12009	12020	12075	15476
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				
	15016	15545	15382	15386
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				
	70215	74275	Pasamonte	DaG476
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.

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

^aTrieman et al. (1994)

^bStolper and McSween (1979)

^cHarvey et al. (1996)