







Appendix

Blocks, Items, and Crafting Recipes

You can find in this appendix any block or item that you don't recognize immediately in Minecraft (see Tables A1-1 and A1-2), and you can find any crafting recipe that was available in the game at the time this book was written (see Table A1-3). For specific information about a block or an item, see Chapter 4 in *Minecraft For Dummies*, Portable Edition.



A *data value* is the number that's assigned to a block or an item to be used with the `/give` and `/clear` commands. Damage values determine the durability of certain items. Other items may have different variants, depending on which damage value is used.

Table A1-1		Blocks
Block	Name	Data Value
	Anvil	145
	Beacon	138
	Bedrock	7
	Birch wood stairs	135
	Block of diamond	57
	Block of emerald	133

(continued)

Table A1-1 (continued)

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Block of gold	41
	Block of iron	42
	Bookshelf	47
	Brick block	45
	Brick stairs	108
	Brown mushroom	39
	Cactus	81
	Chest	54
	Clay block	82
	Coal ore	16
	Cobblestone	4
	Cobblestone stairs	67
	Cobblestone wall	139 (damage values 0–1)
	Cobweb	30
	Cocoa plant	127

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Command block	137
	Crafting table	58
	Dead shrub	32
	Detector rail	28
	Diamond ore	56
	Dirt	3
	Dispenser	23
	Dragon egg	122
	Double slab	43 (damage values 0–5)
	Double wooden slab	125 (damage values 0–3)
	Emerald ore	129
	Enchantment table	116
	End portal frame	120
	End stone	121
	Ender chest	130
	Fence	85

(continued)

Table A1-1 (continued)

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Fence gate	107
	Fire	51
	Furnace	61
	Glass	20
	Glass pane	102
	Glowstone	89
	Gold ore	14
	Grass	2
	Gravel	13
	Ice	79
	Iron bars	101
	Iron ore	15
	Jack-o'-lantern	91
	Jukebox	84
	Jungle wood stairs	136

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Ladder	65
	Lapis lazuli block	22
	Lapis lazuli ore	21
	Lava	11
	Leaves	18 (damage values 0–3)
	Lever	69
	Lily pad	111
	Melon	103
	Monster egg	97
	Monster spawner	52
	Moss stone	48
	Mycelium	110
	Nether brick	112
	Nether brick fence	113
	Nether brick stairs	114
	Netherrack	87

(continued)

Table A1-1 (continued)

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Note block	25
	Obsidian	49
	Piston	33
	Powered rail	27
	Pumpkin	86
	Rail	66
	Red mushroom	40
	Red rose	38
	Redstone lamp	123
	Redstone ore	73
	Redstone torch	76
	Sand	12
	Sandstone	24
	Sandstone stairs	128
	Sapling	6 (damage values 0–2)

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Slab	44 (damage values 0–5)
	Snow block	80
	Sponge	19
	Spruce wood stairs	134
	Sticky piston	29
	Stone	1
	Stone button	77
	Stone pressure plate	70
	Tall grass	31 (damage values 0–2)
	TNT	46
	Torch	50
	Trapdoor	96
	Tripwire hook	131
	Stone brick	98 (damage values 0–3)
	Stone brick stairs	109
	Soul sand	88




(continued)

Table A1-1 (continued)

<i>Block</i>	<i>Name</i>	<i>Data Value</i>
	Vines	106
	Water	9
	Wood	17 (damage values 0–3)
	Wooden button	143
	Wooden plank	5
	Wooden pressure plate	72
	Wooden slab	126
	Wooden stairs	53
	Wool	35 (damage values 0–15)
	Yellow flower	37

Table A1-2

Items

















<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Apple	260
	Arrow	262
	Baked potato	393

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Bed	355
	Blaze powder	377
	Blaze rod	369
	Boat	333
	Bone	352
	Book	340
	Book and quill	386
	Bottle o' enchanting	384
	Bow	261
	Bowl	281
	Bread	297
	Brewing stand	379
	Brick	336
	Bucket	325
	Cake	354
	Carrot	391

(continued)

Table A1-2 (continued)

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Carrot on a stick	398
	Cauldron	380
	Chainmail boots	305
	Chainmail chestplate	303
	Chainmail helmet	302
	Chainmail leggings	304
	Clay ball	337
	Clock	347
	Coal	263 (damage values 0–1)
	Compass	345
	Cooked chicken	366
	Cooked fish	350
	Cooked porkchop	320
	Cookie	357
	Diamond	264

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Diamond axe	279
	Diamond boots	313
	Diamond chestplate	311
	Diamond helmet	310
	Diamond hoe	293
	Diamond leggings	312
	Diamond pickaxe	278
	Diamond shovel	277
	Diamond sword	276
	Dyes	351 (damage values 0–15)
	Egg	344
	Emerald	388
	Ender pearl	368
	Eye of ender	381
	Feather	288
	Fermented spider eye	376

(continued)

Table A1-2 (continued)

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Fire charge	385
	Fishing rod	346
	Flint	318
	Flint and steel	259
	Flower pot	390
	Ghast tear	370
	Glass bottle	374
	Glistening melon	382
	Glowstone dust	348
	Gold boots	317
	Gold chestplate	315
	Gold helmet	314
	Gold hoe	294
	Gold leggings	316
	Gold nugget	371

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Golden apple	322
	Gunpowder	289
	Gold axe	286
	Gold ingot	266
	Gold pickaxe	285
	Gold shovel	284
	Gold sword	283
	Golden carrot	396
	Head	397
	Iron axe	258
	Iron boots	309
	Iron chestplate	307
	Iron door	330
	Iron helmet	306
	Iron hoe	292

(continued)

Table A1-2 (continued)

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Iron ingot	265
	Iron leggings	308
	Iron pickaxe	257
	Iron shovel	256
	Iron sword	267
	Item frame	389
	Lava bucket	327
	Leather	334
	Leather boots	301
	Leather cap	298
	Leather pants	300
	Leather tunic	299
	Magma cream	378
	Map	358
	Melon seeds	362

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Melon slice	360
	Milk	335
	Minecart	328
	Mushroom stew	282
	Music disc	2256–2266
	Nether star	399
	Nether wart	372
	Painting	321
	Paper	339
	Poisonous potato	394
	Potato	392
	Potion	373 (various damage values)
	Powered minecart	343
	Pumpkin pie	400
	Pumpkin seeds	361
	Raw beef	363

(continued)





Table A1-2 (continued)

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Raw chicken	365
	Raw fish	349
	Raw porkchop	319
	Redstone dust	331
	Redstone repeater	356
	Rotten flesh	367
	Saddle	329
	Seeds	295
	Shears	359
	Sign	323
	Slimeball	341
	Snowball	332
	Spawn egg	383 (various damage values)
	Spider eye	375
	Steak	364

<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Stick	280
	Stone axe	275
	Stone hoe	291
	Stone pickaxe	274
	Stone shovel	273
	Stone sword	272
	Storage minecart	342
	String	287
	Sugar	353
	Sugar cane	338
	Water bucket	326
	Wheat	296
	Wooden axe	271
	Wooden door	324
	Wooden hoe	290

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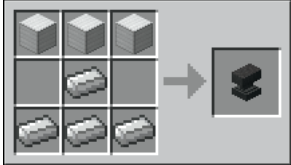


Table A1-2 (continued)

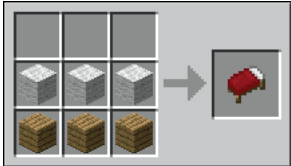
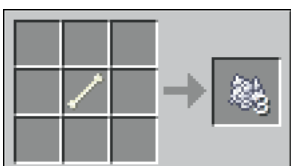
<i>Item</i>	<i>Name</i>	<i>Data Value</i>
	Wooden pickaxe	270
	Wooden shovel	269
	Wooden sword	268
	Written book	387

A1-3 lists the crafting recipes in Minecraft. Some recipes are *shapeless* — their ingredients can be placed anywhere in the crafting grid.

Table A1-3

Crafting Recipes

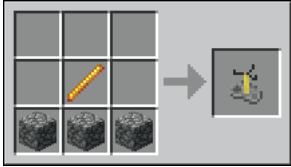
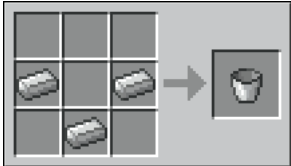
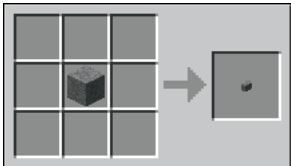

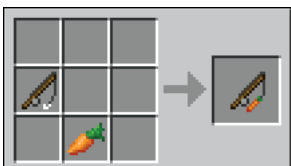
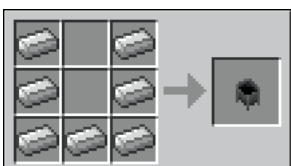
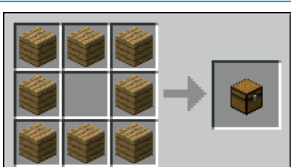
<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Anvil	No
	Arrow	No
	Axe	No (use planks, cobblestone, iron, gold, or diamond)

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Beacon	No
	Bed	No
	Blaze powder	Yes
	Block of ore	No (use iron, gold, lapis lazuli, emerald, or diamond — recipe is reversible)
	Boat	No
	Bone meal	Yes
	Book	Yes

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Table A1-3 (continued)


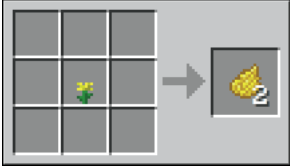


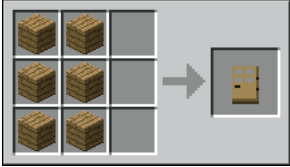

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Book and quill	Yes
	Bookshelf	No
	Boots	No (use leather, iron, gold, or diamond)
	Bow	No
	Bowl	No
	Brick block	No
	Bread	No

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Brewing stand	No
	Bucket	No
	Button	Yes (use planks or stone)
	Cake	No
	Carrot on a stick	No
	Cauldron	No
	Chest	No

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Table A1-3 (continued)

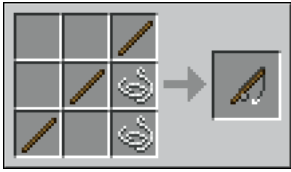
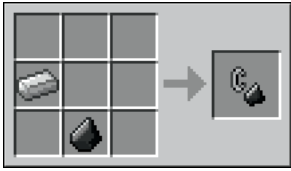
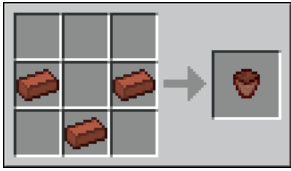
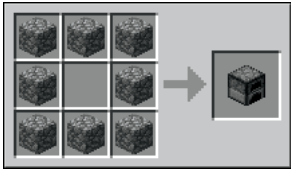
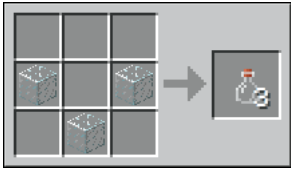
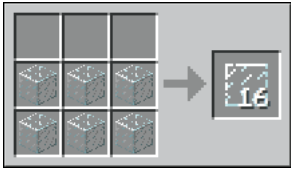
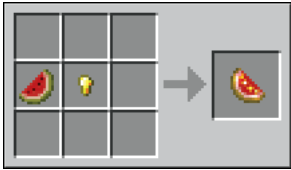
<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Chestplate	No (use leather, iron, gold, or diamond)
	Clay block	No
	Clock	No
	Cobblestone wall	No
	Cobblestone wall (mossy)	No
	Compass	No
	Cookie	No

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Crafting table	No
	Dandelion yellow	Yes
	Detector rail	No
	Dispenser	No
	Door	No (use planks or iron ingots)
	Dyes	Yes
	Enchantment table	No

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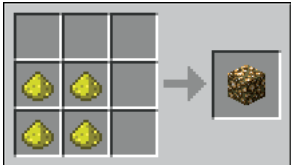
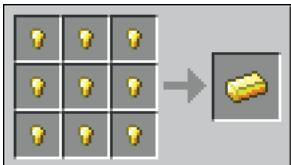
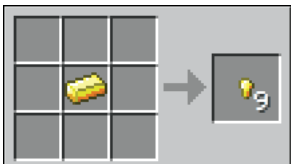
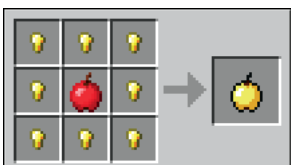



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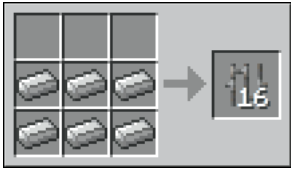
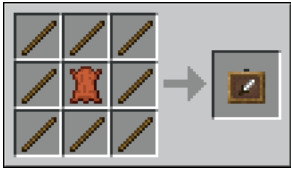
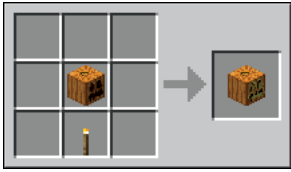

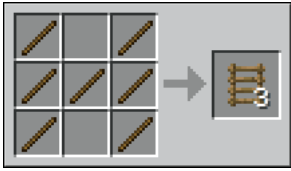
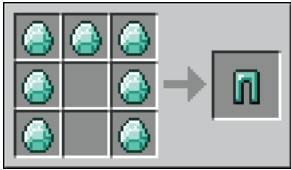
<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Ender chest	No
	Eye of ender	Yes
	Fence	No
	Fence (nether brick)	No
	Fence gate	No
	Fermented spider eye	Yes
	Fire charge	Yes

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Fishing rod	No
	Flint and steel	No
	Flower pot	No
	Furnace	No
	Glass bottle	No
	Glass pane	No
	Glistering melon	Yes

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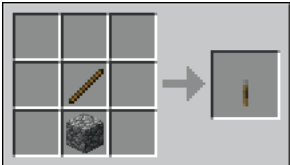



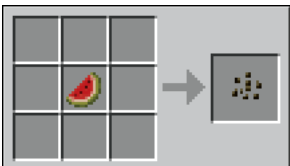
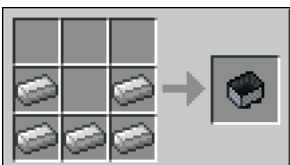

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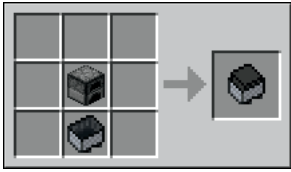
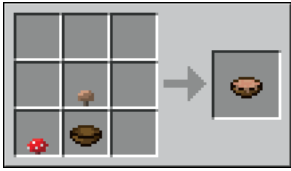
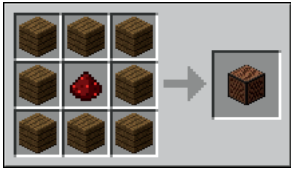
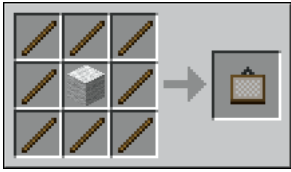
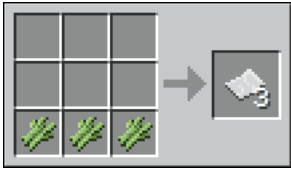


<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Glowstone	No
	Gold ingot	No
	Gold nugget	Yes
	Golden apple	No
	Golden apple (epic)	No
	Golden carrot	No
	Helmet	No (use leather, iron, gold, or diamond)

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Hoe	No (use planks, cobblestone, iron, gold, or diamond)
	Iron bars	No
	Item frame	No
	Jack-o'-lantern	No
	Jukebox	No
	Ladder	No
	Leggings	No (use leather, iron, gold, or diamond)

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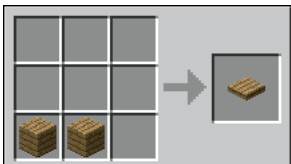
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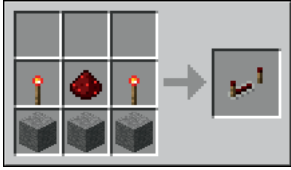
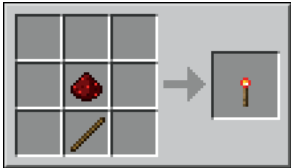
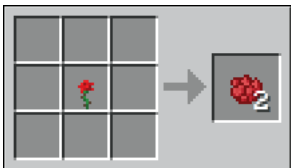
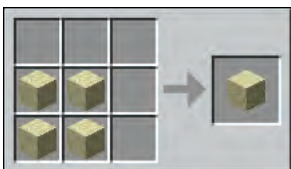
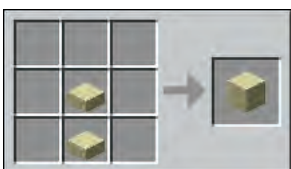

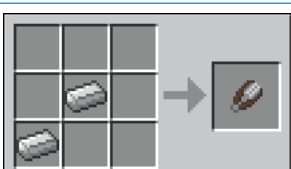
<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Lever	No
	Magma cream	Yes
	Map	No
	Melon	No
	Melon seeds	Yes
	Minecart	No
	Minecart (with chest)	No

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Minecart (with furnace)	No
	Mushroom stew	Yes
	Note block	No
	Painting	No
	Paper	No
	Pickaxe	No (use planks, cobblestone, iron, gold, or diamond)
	Piston	No

(continued)



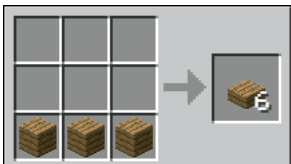
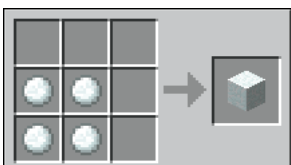

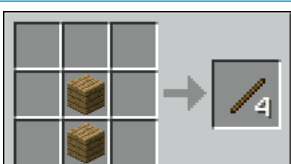
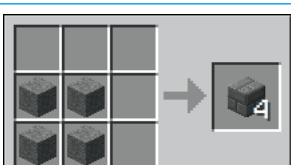
Table A1-3 (continued)

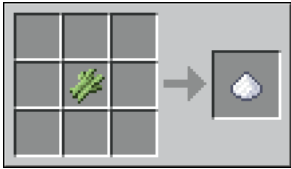

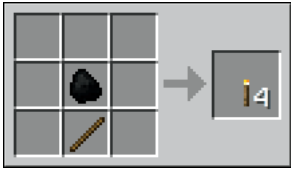

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Piston (sticky)	No
	Powered rail	No
	Pressure plate	No (use planks or stone)
	Pumpkin pie	Yes
	Pumpkin seeds	Yes
	Rail	No
	Redstone lamp	No

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Redstone repeater	No
	Redstone torch	No
	Rose red	Yes
	Sandstone	No
	Sandstone (chiseled)	No
	Sandstone (smooth)	No
	Shears	No

(continued)

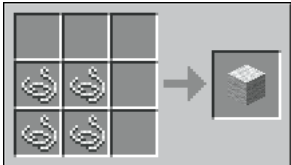

Table A1-3 (continued)

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Shovel	No (use planks, cobblestone, iron, gold, or diamond)
	Sign	No
	Slabs	No (use bricks, cobblestone, stone bricks, nether bricks, sandstone, or wood)
	Snow block	No
	Stairs	No (use bricks, cobblestone, stone bricks, nether bricks, sandstone, or wood)
	Stick	No
	Stone brick	No

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Sugar	Yes
	Sword	No (use planks, cobblestone, iron, gold, or diamond)
	TNT	No
	Torch	No
	Trapdoor	No
	Tripwire hook	No
	Wooden plank	Yes

(continued)

Table A1-3 (continued)

<i>Recipe</i>	<i>Item</i>	<i>Shapeless?</i>
	Wool	No
	Wool (colored)	Yes (use any dye)