

## GLOSSARY

### A

**aa** jagged chunks of lava formed by rapid cooling on the surface of a lava flow (120)

### C

**caldera** large basin-shaped depression formed when an explosion destroys the upper part of a volcanic cone or when the magma chamber below a volcano is emptied during an eruption (124)

**cinder cone** steep-sloped deposit of solid fragments ejected from a volcano (122)

**composite volcano** also called *stratovolcano*, steep-sloped volcanic deposit with alternating layers of hardened lava flows and pyroclastic materials (123)

**crater** funnel-shaped pit at the top of a volcanic cone (124)

### F

**felsic lava** silica-rich lava (120)

**fissure** crack in a rock surface through which lava flows (119)

### H

**hot spot** area of volcanism within a lithospheric plate (119)

### L

**lapilli** pyroclastic particles between 2 mm and 64 mm in diameter (121)

**lava** magma that reaches the Earth's surface (117)

### M

**mafic lava** dark-colored lava rich in magnesium and iron (120)

**magma** liquid rock produced deep inside the Earth (117)

### P

**pahoehoe** solidified mafic lava with a wrinkled surface (120)

## GLOSSARY

**pillow lava** lava that flows out of fissures on the ocean floor and cools rapidly in rounded shapes (120)

### ● S

**shield volcano** has a cone of hardened lava that forms a broad base and gentle slopes (122)

**stratovolcano** also called *composite volcano*, steep-sloped volcanic deposit with alternating layers of hardened lava flows and pyroclastic material (123)

### ● V

**vent** opening through which molten rock flows onto the Earth's surface (117)

**volcanic ash** pyroclastic particles between 0.25 mm and 2 mm in diameter (121)

**volcanic block** the largest possible pyroclastic material that is formed from solid rock blasted from a volcanic fissure (122)

**volcanic bomb** large, spindle-shaped clot of lava thrown out of a volcano (122)

**volcanic dust** pyroclastic particles less than 0.25 mm in diameter (121)

**volcanism** any activity that includes the movement of magma toward or onto the Earth's surface (117)

**volcano** lava and pyroclastic material built up on the Earth's surface around a vent (117)