

Rocks and Landforms: ERRATA

Notes on the 2001 Edition

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Investigation 1: Different Types of Rock

NONE

Investigation 2: Rocks and Landforms in Your Region

Rare rock types have been removed. The table below includes rock types that may be most common to students.

NOTE: Rock types in *italics* are new or moved. The following rock types have been removed from the original table: graywacke, greensand, metabasalt, metabentonite, metadiabase, metarhyolite, norite, troctolite, and harzburgite. Hornfels and peridotite have been added to the table.

Major Rock Types

Sediments and Sedimentary Rocks		Igneous Rocks	
Metamorphic Rocks		Intrusive Igneous (Magma)	Extrusive Igneous (Lava/ash)
chert	anthracite coal	anorthosite	andesite
clay/claystone	gneiss	diabase	basalt
coal	marble	diorite	pumice
diatomaceous earth	greenstone	gabbro	obsidian
dolomite	phyllite	granite	rhyolite
gravel/conglomerate	quartzite	migmatite	scoria
limestone (crushed)	serpentinite	pegmatite	tuff (ash)
mudstone	schist	dunite	
sand/sandstone	slate	<i>peridotite</i>	
shale	<i>hornfels</i>		
till			
outwash			
<i>breccia</i>			

Investigation 3: Rocks and Weathering

Page R26, Biological Processes in Weathering

Carbonic acid has not yet been introduced; therefore, the following describes the process as mentioned in the book.

Last line: "The carbon dioxide makes more carbonic acid, which promotes further weathering of the mineral material of the soil."

This weathering process of soil occurs when the carbon dioxide in the air dissolves in rainwater to form a weak acid called carbonic acid. Although this acid is harmless to plants and animals, it is able to dissolve some kinds of minerals within rocks that contain calcium, magnesium, and potassium, like limestones and feldspars. This form of weathering is called carbonization.

Investigation 4: Rock Abrasion

NONE

Investigation 5: Erosional Landforms

NONE

Investigation 6: Deltas and Floodplains

NONE

Investigation 7: Glaciers, Erosion, and Deposition

NONE

Investigation 8: Rocks, Landforms and Human Activity

NONE
