

# *Issues and Science*

Transitioning from  
Second to Third Edition

**PLATE TECTONICS** (Second Edition) to  
**GEOLOGICAL PROCESSES** (Third Edition)

Drawer 1



Drawer 2



2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Part Number
8	1	Baking soda, 30 g jars <b>A</b>	3	8	5	♦	IAES-B004
1	1	Basalt rock samples (1 from 2nd edition, 7 in 3rd edition drawer for a total of 8) <b>B</b>	1	8	5		BA010
8	1	Convection vials and plug w/2 holes <b>C</b>	3	8	14		IAES-P038-1
8	1	Food Coloring solution, red, drop control bottles, 15 mL <b>D</b>	5	8	14	♦	EHR-1-7E
8	1	Less gassy "Magma", 60 mL dispensing bottles <b>E</b>	3	8	5	♦	IAES-B005
8	1	More gassy "Magma", 60 mL dispensing bottles <b>F</b>	3	8	5	♦	IAES-B006
8	1	Plastic cups with circular depression <b>G</b>	3	8	14		R701ACUP
16	1	Plastic cups, 9 oz (16 from 2nd edition, 8 in 3rd edition drawer for a total of 24) <b>H</b>	5	24	2, 5, 14, 17		TW-9CX16
1	1	Pumice rock samples (1 from 2nd edition, 7 in 3rd edition drawer for a total of 8) <b>I</b>	1	8	5		PU001
8	1	Scoops, plastic, white <b>J</b>	3	8	5		EI-2P01E
8	1	Stoppers <b>K</b>	3	8	5		RS-006
8	1	Syringes, 20 cc <b>L</b>	5	8	14		SY-004
10	1	Tubes (vials), colorless, plastic, 3 dram <b>M</b>	3	8	5		HM-PVX10E
8	1	Volcano model tops <b>N</b>	3	8	5		IAES-V009
8	1	World puzzle pieces (8 sets) <b>O</b>	5	8	12		IAES-P035-1
16	2	Cups, graduated, 30 mL (16 from 2nd edition, 16 in 3rd edition drawer for a total of 32) <b>P</b>	3	32	2, 5		TW-GCX16
32	2	Rulers, metric, 15cm <b>Q</b>	5	32	7, 17		RU-003B
8	2	Volcano model bases <b>R</b>	3	8	5		IAES-V010

# Geological Processes Drawer 1

Third Edition

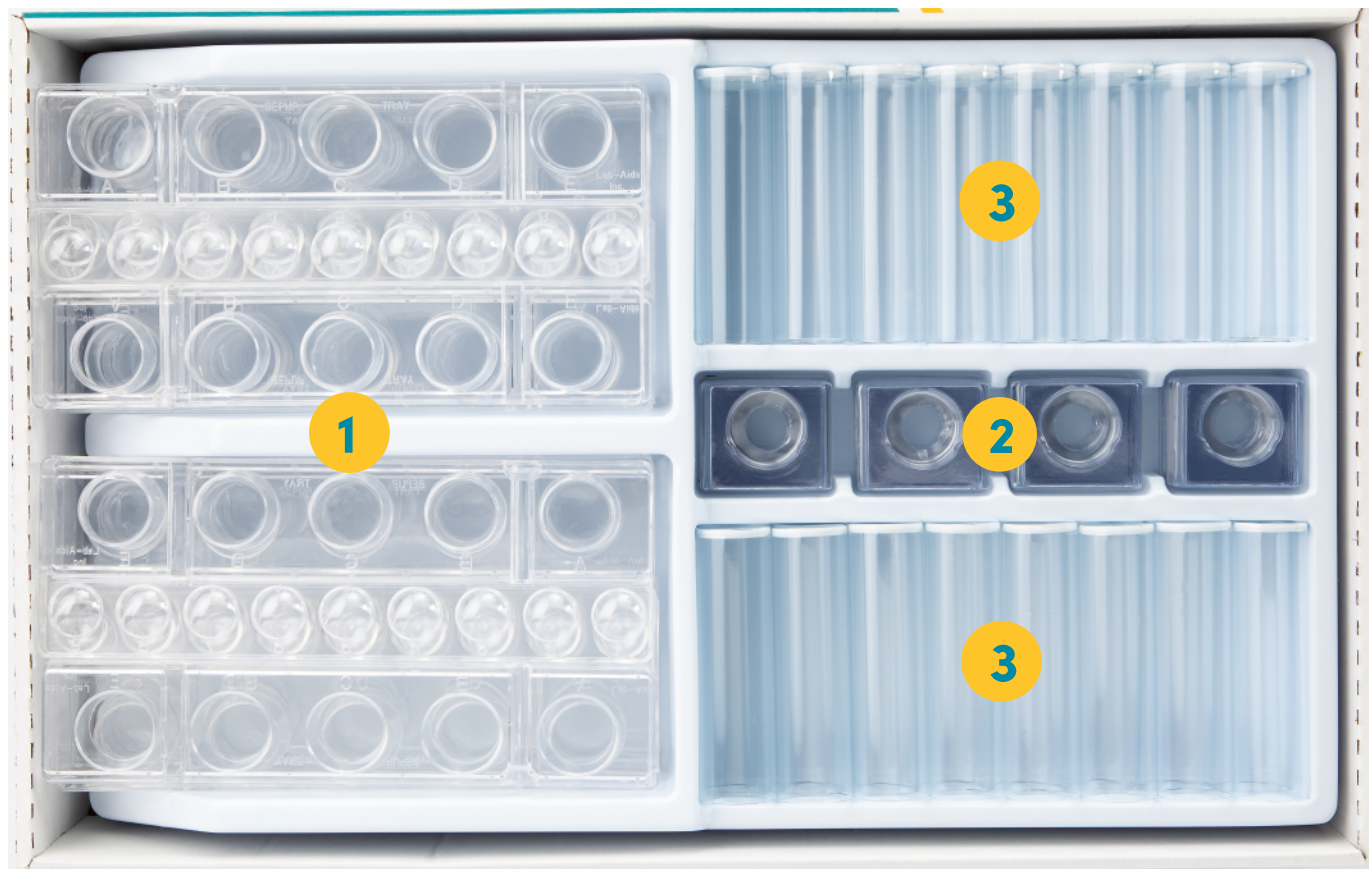


## Geological Processes Drawer 1

No.	Description	Item No.
1.	Calculators	CA-019
2.	Magnifying lens, 4x	MA-001
3.	Sand, 1250 cc containers	SMS-B012
4.	Sandstone pieces, black dot	SA008A
5.	Shale pieces, double orange dot	SH003A
6.	Basalt rock samples	BA010
7.	Pumice rock samples	PU001

# Geological Processes Drawer 2

Third Edition



## Geological Processes Drawer 2

No.	Description	Item No.
1.	SEPUP Tray	CT-001
2.	Tube holders for SEPUP Tray	IAPS-V002
3.	Tubes, transparent, with hole	TUBE0033

# Geological Processes Drawer 3

Third Edition



## Geological Processes Drawer 3

No.	Description	Item No.
1.	Baking soda, 30 g jars	IAES-B004
2.	Convection vials and plug with 2 holes	IAES-P038-1
3.	Less gassy "Magma", 60 mL dispensing bottles	IAES-B005
4.	More gassy "Magma", 60 mL dispensing bottles	IAES-B006
5.	Plastic cups with circular depression	R701ACUP
6.	Scoops, plastic, white	EI-2P01E
7.	Stoppers	RS-006
8.	Tubes (vials), colorless, plastic, 3 dram	HM-PVX10E
9.	Volcano model tops	IAES-V009
10.	Cups, graduated, 30 mL	TW-GCX16
11.	Volcano model bases	IAES-V010
12.	Spoon, plastic	TW-SPX16

# Geological Processes Drawer 4

Third Edition



## Geological Processes Drawer 4

No.	Description	Item No.
1.	Clay, 1250 cc containers	EDCE-B006-B
2.	Rubber bands, thick, orange	RB-013A
3.	Rubber bands, thin, green or beige	RB-013B
4.	Sandpaper, long strip	SA-004A
5.	Timers, MyChron	SW-005
6.	Wooden blocks (with coarse sandpaper, fine sandpaper, and hook attached)	SMS-P031

# Geological Processes Drawer 5

Third Edition



## Geological Processes Drawer 5

No.	Description	Item No.
1.	Plastic cups, 9 oz	TW-9CX16
2.	World puzzles	IAES-P035-1
3.	Rulers, metric, 15cm	RU-003B
4.	Game tokens, (set of 28 blue, 2 red)	SMS-P028
5.	Tape measures	MT-001
6.	Tape rolls, masking	TA-009A
7.	Food Coloring solution, red, drop control Bottles, 15 mL	EHR-1-7E
8.	Syringes, 20 cc	SY-004



# Geological Processes Drawer 6

Third Edition



## Geological Processes Drawer 6

No.	Description	Item No.
1.	Aquifer Inputs and Outputs cards, set of 14	SMS-L035
2.	Colored pencil sets, 8 colors	IAPS-P12
3.	Game pieces, set of 4 colors, 8 sets	SS-1P92E
4.	Number cube	DR-001A
5.	Paper clips	CL-002
6.	Rock Cycle game boards	SMS-L037
7.	Rock Cycle game cards, (set of 30 igneous, 30 metamorphic, 30 sedimentary, 13 Geological processes)	SMS-L036

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Part Number
8	1	Circular track sets	3	8	6		FM-006
8	1	Ramps <i>(8 from 2nd edition go in drawer 3, 8 in 3rd edition drawer 4 for a total of 16)</i>	3, 4	16	2, 3, 10, 12, 13		FM-004
8	2	Carts	1	8	2, 3, 4, 7, 13		FM-003C
8	2	Marbles, glass, 5/8" <i>(8 from 2nd edition, 8 in 3rd edition drawer for a total of 16)</i>	1	16	6, 10, 12		MA-006C
8	2	Marbles, steel, 5/8"	1	8	6, 12		ST-004A
8	2	Miniature road cones	2	8	6		IAPS-V001
8	2	Rubber bands, yellow, 2 1/2" x 1/4"	1	8	7		RB-009
32	2	Rulers, metric, 15 cm	1	32	6, 14		RU-003B
8	2	Timers, MyChron	1	8	2, 3, 7,		SW-005
16	2, 3	Tracks <i>(8 into drawer 1, 8 into drawer 2 for a total of 16)</i>	1, 2	16	2, 3, 4, 7, 10, 12, 13		FM-001
8	2	Wooden blocks with hooks	1	8	3, 4, 10		IAPS-P01E
8	3	Cloth strips, 1 3/8" x 45"	2	8	13		FA-005A
24	3	Cylinders, steel, 5 cm x 1.3 cm	2	24	4, 7, 13		ST-010A
16	3	Force meters, 2.5 N	2	16	7, 10		P210-P01E

**Brand New items that come in the 3rd Edition Drawers**

		Marbles, plastic, 5/8"	1	8	12		BA-029A
		Bucket hooks	2	16	7		SH-002
		Tracks, small	3	8	10, 12		FM-001S
		Balloons, 9"	4	5	10		BA-025
		Kinetic Energy cards, set of 40	4	2	5		SMS-L042
		Ropes, 2'	4	8	10		RO-005
		Rubber bands, cyan, 3" x 1/4"	4	24	2, 3, 7		RB-014
		Zone Strips	4	8	12		SMS-L041
		Bucket hangers	5	16	7		HA-002
		Buckets (tubes with slots)	5	16	7		TUBE0011
		Cards, white, plastic	5	1	8		VF-026B
		Colored pencil sets, 8 colors	5	16	11, 14		IAPS-P12
		Cylinders, aluminum, 5 cm x 1.3 cm	5	32	7		AL-002A
		Magnets, disk, 1/4" x 1/2"	5	16	2, 3, 7		MA-004
		Motion sensor	5	1	7		MD-002
		Pulleys, single	5	16	7		PU-004A
		Smartphone holders with cart attachment	5	8	2, 3, 7		HO-002
		String, 840 ft ball	5	1	7		ST-014A
		Tape roll, masking, 1" x 180'	5	1	2, 3, 4, 7, 11	♦	TA-009A