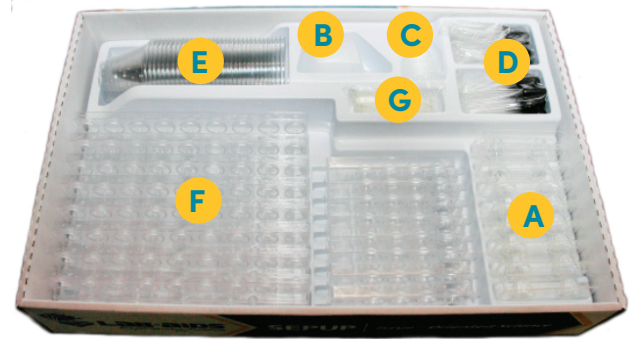


# *Issues and Science*

Transitioning from  
Second to Third Edition

**CELL BIOLOGY AND DISEASE** (Second Edition) **to**  
**FROM CELLS TO ORGANISMS** (Third Edition)

Drawer 2



Drawer 3



Drawer 4



Drawer 7



*There are 7 drawers for the 2e program but only those affected with the transition are shown*

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
10	2	Chemplates® with cap <i>(8 from 2nd edition, 10 in 3rd edition drawer for a total of 18)</i> <b>A</b>	1	18	5		800
1	2	Cup, measuring, 1/2-cup size <b>B</b>	1	1	7		MC-003
16	2	Cups, graduated, 30 mL <b>C</b>	1	16	5, 7, 13		TW-GCX16
32	2	Droppers, plastic <b>D</b>	1	32	3, 5, 7, 9, 12		SP-DX16E
32	2	Plastic cups, 9 oz <b>E</b>	3	32	1, 5, 7, 12, 13		TW-9CX16
32	2	SEPUP trays <i>(only 8 need to transfer over)</i> <b>F</b>	1	8	7		CT-001
24	2	Stir sticks <i>(24 from 2nd edition, 24 in 3rd edition drawer for a total of 48)</i> <b>G</b>	2	48	5, 7		SP-MSX24E
2	3	Coverslips, glass, 100/pkg <b>H</b>	1	2	3, 5, 9, 12	♦	GS-007
8	3	Disease Indicator solution, 30 mL drop controlled bottles <i>(only 2 need to transfer over)</i> <b>I</b>	2	2	1	♦	SA-1B19E
1	3	Hay infusion, pkg <b>J</b>	3	1	3	♦	SA-1P76E
8	3	Methyl Cellulose solution, 15 mL drop controlled bottles <b>K</b>	2	8	3	♦	SS-1B17E
2	3	Microscope slides, 30/pkg <b>L</b>	1	2	5, 9, 12		GS-004
1	3	Microscope slides, single depression, 16/pkg <b>M</b>	1	1	3		SS-1P24E
4	3	Prepared microscope slides, <i>Amoeba</i> <i>(4 from 2nd edition, 4 in 3rd edition drawer for a total of 8)</i> <b>N</b>	1	8	3		IALS-P023
8	3	Prepared microscope slides, Human Blood <b>O</b>	1	8	9		IALS-P021
4	3	Prepared microscope slides, <i>Paramecium</i> <i>(4 from 2nd edition, 4 in 3rd edition drawer for a total of 8)</i> <b>P</b>	1	8	3		IALS-P026
8	3	Prepared microscope slides, stained Human Cheek Cells <b>Q</b>	1	8	9		IALS-P022
1	3	Toothpicks, wooden, 250/pkg <b>R</b>	1	1	12	♦	TP-006
1	4	Beans, pkg <b>S</b>	2	1	7		SA-1P29E
8	4	Bromothymol Blue (BTB) indicator solution, 30 mL drop controlled bottles <b>T</b>	2	8	5, 13	♦	WH-1-9EA
1	4	Cornstarch, 500 cc <b>U</b>	2	1	7	♦	SA-1B38E
8	4	Gas delivery tubes <i>(8 from 2nd edition, 10 in 3rd edition drawer for a total of 18)</i> <b>V</b>	2	18	5		SA-1P41E
8	4	Lugol's (iodine) solution, 20 mL <b>W</b>	2	8	5, 7, 9, 12	♦	CH-LSPKG
16	4	Magnifiers, 4X <i>(only 8 need to transfer over)</i> <b>X</b>	3	8	5		MA-001
2	4	Rice, pkg <i>(only 1 needs to transfer over)</i> <b>Y</b>	2	1	7		SA-1P30E
1	4	Rubber bands, 90/pkg <b>Z</b>	2	1	7	♦	SA-1P26E
1	4	Sandwich bags, thin, 150/pkg <b>AA</b>	3	1	7	♦	SA-1P49E
8	4	Spoons, plastic, large <b>BB</b>	2	8	7		TW-SPX16
16	7	Number cubes <i>(only 15 need to transfer over)</i> <b>ZZ</b>	2	15	1		DI-001A

# From Cells To Organisms Drawer 1

Third Edition



## From Cells To Organisms Drawer 1

No.	Description	Item No.
1.	Clay, stick	CL-013-1
2.	Prepared microscope slides, Euglena	PS-011HSG-P
3.	Prepared microscope slides, mixed bacteria	PS-011-04
4.	Prepared microscope slides, stained Amphiuma	PS-011-02
5.	Prepared microscope slides, stained Helianthus	PS-011-03
6.	Straws, wrapped	FA-SWX40
7.	Chemplates® with cap	800
8.	Coverslips, glass	GS-007
9.	Cup, measuring, 1/2-cup size	MC-003
10.	Cups, graduated, 30 mL	TW-GCX16
11.	Droppers, plastic	SP-DX16E
12.	Microscope slides	GS-004
13.	Microscope slides, single depression	SS-1P24E
14.	Prepared microscope slides, Amoeba	IALS-P023
15.	Prepared microscope slides, Human Blood	IALS-P021
16.	Prepared microscope slides, Paramecium	IALS-P026
17.	Prepared microscope slides, Human Cheek Cells	IALS-P022
18.	SEPUP trays	CT-001
19.	Toothpicks, wooden	TP-006



# From Cells To Organisms Drawer 2

## Third Edition



## From Cells To Organisms Drawer 2

No.	Description	Item No.
1.	Café Action B1: Eat a Hamburger, 30 mL drop controlled bottle	TX-BOB1
2.	Café Action B2: Eat a Salad, 30 mL drop controlled bottle	TX-BOB2
3.	Café Action B3: A Child Coughs on You, 30 mL drop controlled bottle	TX-BOB3
4.	Clay, vial, 20 g	SMS-B004
5.	Glucose, bottles, 14 g	SMS-B003
6.	Market Action E1: Drink Some Freshly Pressed Apple Juice, 30 mL drop controlled bottle	TX-BOE1
7.	Market Action E2: Cool Off in the Air Conditioning, 30 mL drop controlled bottle	TX-BOE2
8.	Market Action E3: Eat Some Precut Melon, 30 mL drop controlled bottle	TX-BOE3

9.	Picnic Action C1: Swim In The Lake, 30 mL drop controlled bottle	TX-BOC1
10.	Picnic Action C2: Eat A Ham Sandwich, 30 mL drop controlled bottle	TX-BOC2
11.	Picnic Action C3: Get A Tick On Your Leg, 30 mL drop controlled bottle	TX-BOC3
12.	Restaurant Action A1: Eat Fish Sandwich, 30 mL drop controlled bottle	TX-BOA1
13.	Restaurant Action A2: Get a Mosquito Bite, 30 mL drop controlled bottle	TX-BOA2
14.	Restaurant Action A3: Eat Corn on the Cob, 30 mL drop controlled bottle	TX-BOA3
15.	Starch, bottles, 15g	SMS-B005
16.	Zoo Action D1: Eat An Ice-Cream Cone, 30 mL drop controlled bottle	TX-BOD1
17.	Zoo Action D2: Eat A Hot Dog, 30 mL drop controlled bottle	TX-BOD2
18.	Zoo Action D3: Pet a Goat at the Petting Zoo, 30 mL drop controlled bottle	TX-BOD3
19.	Beans, pkg	SA-1P29E
20.	Bromothymol Blue (BTB) indicator solution, 30 mL drop controlled bottle	WH-1-9EA
21.	Cornstarch, 500cc	SA-1B38E
22.	Disease Indicator solution, 30 mL drop controlled bottles	SA-1B19E
23.	Gas delivery tubes (refill comes w/ 4 gas caps too)	SA-1P41E
24.	Lugol's (iodine) solution, 20 mL	CH-LSPKG
25.	Methyl Cullulose solution, 15 mL drop controlled bottles	SS-1B17E
26.	Number cubes	DI-001A
27.	Rice, pkg	SA-1P30E
28.	Rubber bands	SA-1P26E
29.	Spoons, plastic, large	TW-SPX16
30.	Stir sticks (measuring/mixing spatulas)	SP-MSX24E

# From Cells To Organisms Drawer 3

## Third Edition



## From Cells To Organisms Drawer 3

No.	Description	Item No.
1.	Aluminum foil, squares (underneath)	TW-1-14F
2.	Colored pencil set, 8 colors	IAPS-P12
3.	Place signs, set of 5	SMS-L012
4.	Rulers, metric, 15 cm	RU-003B
5.	Hay infusion, pkg	SA-1P76E
6.	Magnifiers, 4X	MA-001
7.	Plastic cups, 9oz	TW-9CX16
8.	Sandwich bags, thin	SA-1P49E



# From Cells To Organisms Drawer 4

Third Edition



## From Cells To Organisms Drawer 4

No.	Description	Item No.
1.	Graduated cylinders, 50 mL	GC-011
2.	Pop beads, oval, blue, 50/pkg	SMS-P007A-1
3.	Pop beads, oval, green, 50/pkg	SMS-P007A-2
4.	Pop beads, oval, red, 50/pkg	SMS-P007A-3
5.	Pop beads, oval, white, 50/pkg	SMS-P007A-4
6.	Pop beads, round, yellow, 200/pkg	SMS-P007B-1
7.	Resealable bags, 3" x 4" (not shown - for beads)	SMS-P008
8.	Vial caps	C1-VCX16
9.	Vials, clear plastic, 10 dram	C1-VX16



2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
10	2	Chemplates® with cap <i>(8 from 2nd edition, 10 in 3rd edition drawer for a total of 18)</i>	1	18	5		800
1	2	Cup, measuring, 1/2-cup size	1	1	7		MC-003
16	2	Cups, graduated, 30 mL	1	16	5, 7, 13		TW-GCX16
32	2	Droppers, plastic	1	32	3, 5, 7, 9, 12		SP-DX16E
32	2	Plastic cups, 9 oz	3	32	1, 5, 7, 12, 13		TW-9CX16
32	2	SEPUP trays <i>(only 8 need to transfer over)</i>	1	8	7		CT-001
24	2	Stir sticks <i>(24 from 2nd edition, 24 in 3rd edition drawer for a total of 48)</i>	2	48	5, 7		SP-MSX24E
2	3	Coverslips, glass, 100/pkg	1	2	3, 5, 9, 12	♦	GS-007
8	3	Disease Indicator solution, 30 mL drop controlled bottles <i>(only 2 need to transfer over)</i>	2	2	1	♦	SA-1B19E
1	3	Hay infusion, pkg	3	1	3	♦	SA-1P76E
8	3	Methyl Cellulose solution, 15 mL drop controlled bottles	2	8	3	♦	SS-1B17E
2	3	Microscope slides, 30/pkg	1	2	5, 9, 12		GS-004
1	3	Microscope slides, single depression, 16/pkg	1	1	3		SS-1P24E
4	3	Prepared microscope slides, <i>Amoeba</i> <i>(4 from 2nd edition, 4 in 3rd edition drawer for a total of 8)</i>	1	8	3		IALS-P023
8	3	Prepared microscope slides, Human Blood	1	8	9		IALS-P021
4	3	Prepared microscope slides, <i>Paramecium</i> <i>(4 from 2nd edition, 4 in 3rd edition drawer for a total of 8)</i>	1	8	3		IALS-P026
8	3	Prepared microscope slides, stained Human Cheek Cells	1	8	9		IALS-P022
1	3	Toothpicks, wooden, 250/pkg	1	1	12	♦	TP-006
1	4	Beans, pkg	2	1	7		SA-1P29E
8	4	Bromothymol Blue (BTB) indicator solution, 30 mL drop controlled bottles	2	8	5, 13	♦	WH-1-9EA
1	4	Cornstarch, 500 cc	2	1	7	♦	SA-1B38E
8	4	Gas delivery tubes <i>(8 from 2nd edition, 10 in 3rd edition drawer for a total of 18)</i>	2	18	5		SA-1P41E
8	4	Lugol's (iodine) solution, 20 mL	2	8	5, 7, 9, 12	♦	CH-LSPKG
16	4	Magnifiers, 4X <i>(only 8 need to transfer over)</i>	3	8	5		MA-001
2	4	Rice, pkg <i>(only 1 needs to transfer over)</i>	2	1	7		SA-1P30E
1	4	Rubber bands, 90/pkg	2	1	7	♦	SA-1P26E
1	4	Sandwich bags, thin, 150/pkg	3	1	7	♦	SA-1P49E
8	4	Spoons, plastic, large	2	8	7		TW-SPX16
16	7	Number cubes <i>(only 15 need to transfer over)</i>	2	15	1		DI-001A

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
<b>Brand New items that come in the 3rd Edition Drawers</b>							
		Certificate, <i>Elodea</i>	1	1	12, 13	♦	SMS-LM03
		Clay, stick	1	1	3, 6	♦	CL-013-1
		From Cells to Organisms SDS (Safety Data Sheet)	1	1	0		SMS-CEL-3SDS
		Prepared microscope slides, <i>Euglena</i>	1	8	3		PS-011HSG-P
		Prepared microscope slides, mixed bacteria	1	8	3		PS-011-04
		Prepared microscope slides, stained <i>Amphiuma</i>	1	8	9		PS-011-02
		Prepared microscope slides, stained <i>Helianthus</i>	1	8	9		PS-011-03
		Straws, wrapped	1	50	5, 13	♦	FA-SWX40
		Cafe Action B1: Eat A Hamburger, 30 mL drop controlled bottle	2	1	1	♦	TX-B0B1
		Cafe Action B2: Eat A Salad, 30 mL drop controlled bottle	2	1	1	♦	TX-B0B2
		Cafe Action B3: A Child Coughs On You, 30 mL drop controlled bottle	2	1	1	♦	TX-B0B3
		Clay, vial	2	1	5	♦	SMS-B004
		Glucose, bottles	2	8	5	♦	SMS-B003
		Market Action E1: Drink Some Freshly Pressed Apple Juice, 30 mL drop controlled bottle	2	1	1	♦	TX-B0E1
		Market Action E2: Cool Of In The Air Conditioning, 30 mL drop controlled bottle	2	1	1	♦	TX-B0E2
		Market Action E3: Eat Some Precut Melon, 30 mL drop controlled bottle	2	1	1	♦	TX-B0E3
		Picnic Action C1: Swim In The Lake, 30 mL drop controlled bottle	2	1	1	♦	TX-B0C1
		Picnic Action C2: Eat A Ham Sandwich, 30 mL drop controlled bottle	2	1	1	♦	TX-B0C2
		Picnic Action C3: Get A Tick On Your Leg, 30 mL drop controlled bottle	2	1	1	♦	TX-B0C3
		Restaurant Action A1: Eat Fish Sandwich, 30 mL drop controlled bottle	2	1	1	♦	TX-B0A1
		Restaurant Action A2: Get A Mosquito Bite, 30 mL drop controlled bottle	2	1	1	♦	TX-B0A2
		Restaurant Action A3: Eat Corn On The Cob, 30 mL drop controlled bottle	2	1	1	♦	TX-B0A3
		Starch, bottles	2	8	5	♦	SMS-B005
		Zoo Action D1: Eat An Ice-Cream Cone, 30 mL drop controlled bottle	2	1	1	♦	TX-B0D1
		Zoo Action D2: Eat A Hot Dog, 30 mL drop controlled bottle	2	1	1	♦	TX-B0D2
		Zoo Action D3: Pet A Goat At The Petting Zoo, 30 mL drop controlled bottle	2	1	1	♦	TX-B0D3
		Aluminum foil, squares	3	2	13	♦	TW-1-14F
		Colored pencil set, 8 colors	3	16	1, 6, 8, 11		IAPS-P12

2nd Ed Qty	2nd Ed Drawer #	Description	3rd Ed Drawer #	3rd Ed Qty	Activity # where used	Consumable ♦	Ref Cat. No.
		Place signs, set of 5	3	1	1		SMS-L012
		Rulers, metric, 15 cm	3	32	13		RU-003B
		Graduated cylinders, 50 mL	4	8	1		GC-011
		Pop beads, oval, blue, 50/pkg	4	1	11		SMS-P007A-1
		Pop beads, oval, green, 50/pkg	4	1	11		SMS-P007A-2
		Pop beads, oval, red, 50/pkg	4	1	11		SMS-P007A-3
		Pop beads, oval, white, 50/pkg	4	1	11		SMS-P007A-4
		Pop beads, round, yellow, 200/pkg	4	1	11		SMS-P007B-1
		Resealable bags, 3" x 4"	4	17	11		SMS-P008
		Vial caps	4	64	13		C1-VCX16
		Vials, clear plastic, 10 dram	4	64	13		C1-VX16