



# PERIODIC TABLE OF THE ELEMENTS QUILT

HOOP SIZES: 4X6 AND 5X7

## GENERAL SUPPLY LIST

- ⊗ Cut away mesh stabilizer
- ⊗ Cotton fabric (pre-shrunk, ironed, and starched) for each quilt square
- ⊗ Fabric scraps (pre-shrunk and ironed) for appliqués
- ⊗ Quilter's batting
- ⊗ Ruler
- ⊗ Rotary cutter
- ⊗ 80/12 sharp embroidery needles and regular needles
- ⊗ Embroidery thread, sewing thread, and bobbin thread
- ⊗ Embroidery nips (or small scissors)
- ⊗ 80/12 universal sewing needle
- ⊗ Hand sewing needle
- ⊗ Sewing and bobbin thread

### DIMENSIONS

The **4" blocks** will make a quilt that is approximately **84" x 66"**.

The **5" blocks** will make a quilt that is approximately **104½" x 82½"**.



Fabric A (7 blocks):

4x4 Blocks: ¼ yd

5x5 Blocks: ¼ yd

3 <b>Li</b> Lithium 6.94	11 <b>Na</b> Sodium 22.99	19 <b>K</b> Potassium 39.10	37 <b>Rb</b> Rubidium 85.47	55 <b>Cs</b> Cesium 132.91	87 <b>Fr</b> Francium (223)	Alkali Metals
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Fabric B (7 blocks):

4x4 Blocks: ¼ yd

5x5 Blocks: ¼ yd

4 <b>Be</b> Beryllium 9.01	12 <b>Mg</b> Magnesium 24.31	20 <b>Ca</b> Calcium 40.08	38 <b>Sr</b> Strontium 87.62	56 <b>Ba</b> Barium 137.33	88 <b>Ra</b> Radium (226)	Alkaline Earth Metals
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Fabric C (39 blocks):

4x4 Blocks: 1 yd

5x5 Blocks: 1 yd

21 <b>Sc</b> Scandium 44.96	22 <b>Ti</b> Titanium 47.88	23 <b>V</b> Vanadium 50.94	24 <b>Cr</b> Chromium 52.00	25 <b>Mn</b> Manganese 54.94	26 <b>Fe</b> Iron 55.85	27 <b>Co</b> Cobalt 58.93
28 <b>Ni</b> Nickel 58.69	29 <b>Cu</b> Copper 63.55	30 <b>Zn</b> Zinc 65.39	39 <b>Y</b> Yttrium 88.91	40 <b>Zr</b> Zirconium 91.22	41 <b>Nb</b> Niobium 92.91	42 <b>Mo</b> Molybdenum 95.94
43 <b>Tc</b> Technetium 98.91	44 <b>Ru</b> Ruthenium 101.07	45 <b>Rh</b> Rhodium 102.91	46 <b>Pd</b> Palladium 106.42	47 <b>Ag</b> Silver 107.87	48 <b>Cd</b> Cadmium 112.41	72 <b>Hf</b> Hafnium 178.49
73 <b>Ta</b> Tantalum 180.95	74 <b>W</b> Tungsten 183.84	75 <b>Re</b> Rhenium 186.21	76 <b>Os</b> Osmium 190.23	77 <b>Ir</b> Iridium 192.22	78 <b>Pt</b> Platinum 195.08	79 <b>Au</b> Gold 196.97
80 <b>Hg</b> Mercury 200.59	104 <b>Rf</b> Rutherfordium (267)	105 <b>Db</b> Dubnium (268)	106 <b>Sg</b> Seaborgium (271)	107 <b>Bh</b> Bohrium (272)	108 <b>Hs</b> Hassium (270)	109 <b>Mt</b> Meitnerium (276)
110 <b>Ds</b> Darmstadtium (281)	111 <b>Rg</b> Roentgenium (280)	112 <b>Cn</b> Copernicium (285)	Transition Metals			



Fabric D (12 blocks):

4x4 Blocks:  $\frac{1}{3}$  yd

5x5 Blocks:  $\frac{1}{3}$  yd

13 <b>Al</b> Aluminum 26.98	31 <b>Ga</b> Gallium 69.72	49 <b>In</b> Indium 114.82	50 <b>Sn</b> Tin 118.71	81 <b>Tl</b> Thallium 204.38	82 <b>Pb</b> Lead 207.20	83 <b>Bi</b> Bismuth 208.98
113 <b>Nh</b> Nihonium (284)	114 <b>Fl</b> Flerovium (289)	115 <b>Mc</b> Moscovium (288)	116 <b>Lv</b> Livermorium (293)	<b>Basic Metals</b>		

Fabric E (8 blocks):

4x4 Blocks:  $\frac{1}{4}$  yd

5x5 Blocks:  $\frac{1}{3}$  yd

5 <b>B</b> Boron 10.81	14 <b>Si</b> Silicon 28.09	32 <b>Ge</b> Germanium 72.63	33 <b>As</b> Arsenic 74.92	51 <b>Sb</b> Antimony 121.76	52 <b>Te</b> Tellurium 127.60	84 <b>Po</b> Polonium (209)
<b>Semimetals</b>						

Fabric F (8 blocks):

4x4 Blocks:  $\frac{1}{4}$  yd

5x5 Blocks:  $\frac{1}{3}$  yd

1 <b>H</b> Hydrogen 1.01	6 <b>C</b> Carbon 12.01	7 <b>N</b> Nitrogen 14.01	8 <b>O</b> Oxygen 16.00	15 <b>P</b> Phosphorus 30.97	16 <b>S</b> Sulfur 32.06	34 <b>Se</b> Selenium 78.96
<b>Non-Metals</b>						

Fabric G (7 blocks):

4x4 Blocks:  $\frac{1}{4}$  yd

5x5 Blocks:  $\frac{1}{4}$  yd

9 <b>F</b> Fluorine 19.00	17 <b>Cl</b> Chlorine 35.45	35 <b>Br</b> Bromine 79.90	53 <b>I</b> Iodine 126.90	85 <b>At</b> Astatine (210)	117 <b>Ts</b> Tennessine (294)	<b>Halogens</b>
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Fabric H (8 blocks):

4x4 Blocks:  $\frac{1}{4}$  yd

5x5 Blocks:  $\frac{1}{3}$  yd

2 <b>He</b> Helium 4.00	10 <b>Ne</b> Neon 20.18	18 <b>Ar</b> Argon 39.95	36 <b>Kr</b> Krypton 83.80	54 <b>Xe</b> Xenon 131.29	86 <b>Rn</b> Radon (222)	118 <b>Og</b> Oganesson (294)
<b>Noble Gases</b>						

Fabric I (16 blocks):

4x4 Blocks:  $\frac{1}{3}$  yd

5x5 Blocks:  $\frac{1}{2}$  yd

57 <b>La</b> Lanthanum 138.91	58 <b>Ce</b> Cerium 140.12	59 <b>Pr</b> Praseodymium 140.91	60 <b>Nd</b> Neodymium 144.24	61 <b>Pm</b> Promethium (145)	62 <b>Sm</b> Samarium 150.36	63 <b>Eu</b> Europium 151.96
64 <b>Gd</b> Gadolinium 157.25	65 <b>Tb</b> Terbium 158.93	66 <b>Dy</b> Dysprosium 162.50	67 <b>Ho</b> Holmium 164.93	68 <b>Er</b> Erbium 167.26	69 <b>Tm</b> Thulium 168.93	70 <b>Yb</b> Ytterbium 173.05
71 <b>Lu</b> Lutetium 174.97	<b>Lanthanoids</b>					

Fabric J (16 blocks):

4x4 Blocks:  $\frac{1}{3}$  yd

5x5 Blocks:  $\frac{1}{2}$  yd

89 <b>Ac</b> Actinium (227)	90 <b>Th</b> Thorium 232.04	91 <b>Pa</b> Protactinium 231.04	92 <b>U</b> Uranium 238.03	93 <b>Np</b> Neptunium (237)	94 <b>Pu</b> Plutonium (244)	95 <b>Am</b> Americium (243)
96 <b>Cm</b> Curium (247)	97 <b>Bk</b> Berkelium (247)	98 <b>Cf</b> Californium (251)	99 <b>Es</b> Einsteinium (252)	100 <b>Fm</b> Fermium (257)	101 <b>Md</b> Mendelevium (258)	102 <b>No</b> Nobelium (259)
103 <b>Lr</b> Lawrencium (262)	<b>Actinoids</b>					



Fabric K (95 blocks):

4x4 Blocks: 2 yds

5x5 Blocks: 2½ yds

Group 1 1A 2 2A 3 3B 4 4B 5 5B 6 6B 7 7B

8 ← 9 8B 10 → 11 1B 12 2B 13 3A 14 4A

15 5A 16 6A 17 7A 18 8A

Period 1 2 3 4 5 6 7

57-71 57-71 89-103 89-103

Aa Solid Aa Gas Aa Liquid Aa Synthetically Prepared

Make 62 of these!

Fabric L (4 blocks):

4x4 Blocks: ¼ yd

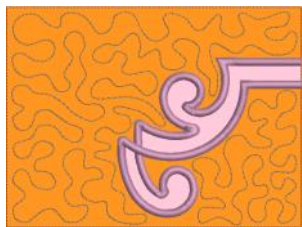
5x5 Blocks: ¼ yd

Periodic Table of the Elements

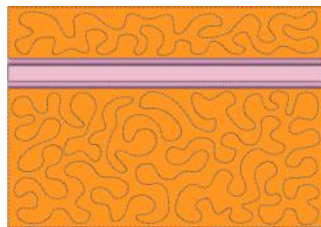
Fabric M (14 blocks):

4x4 Blocks:  $\frac{1}{2}$  yd

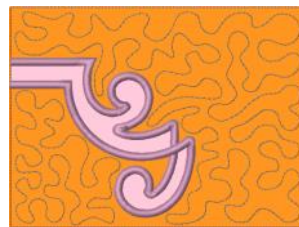
5x5 Blocks:  $\frac{1}{2}$  yd



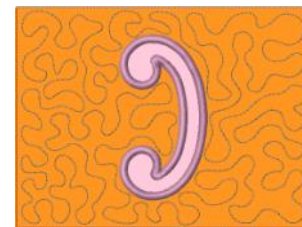
Make 2



Make 8



Make 2

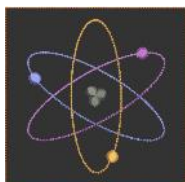


Make 2

Fabric N (38 blocks):

4x4 Blocks:  $\frac{3}{4}$  yd

5x5 Blocks: 1 yd



Make 38

### Fabric for the Sashing and Quilt Back

For a quilt made with 4" blocks:

Title Sashing: 1 -  $1\frac{1}{8}$ " x 42" piece of sashing

Inside Title Border Sashing: 2 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Outside Title Border Sashing: 2 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Atom Border Sashing: 9 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Background Sashing: 42 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Quilt Back: 2 yds of extra wide quilt back fabric (104" wide)

For a quilt made with 5" blocks:

Title Sashing: 1 -  $1\frac{1}{8}$ " x 42" piece of sashing

Inside Title Border Sashing: 2 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Outside Title Border Sashing: 3 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Atom Border Sashing: 10 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Background Sashing: 60 -  $1\frac{1}{8}$ " x 42" pieces of sashing

Quilt Back: 3 yds of extra wide quilt back fabric (104" wide)

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