

to Share

READY

Fold

Still

THINKING

I'm working well.



I need help, but
I can keep
working.

I'm stuck. I need
help now. ☹️

True

Cut

Not True

True with
Modifications

Cut

Unable to
Determine
based on information learned

1

2

3

4

5

6

7

8

9

0

x

y

a

b

c

2

3

x

Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Multiplication Table

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

MathATube.com Together we'll learn.

A

B

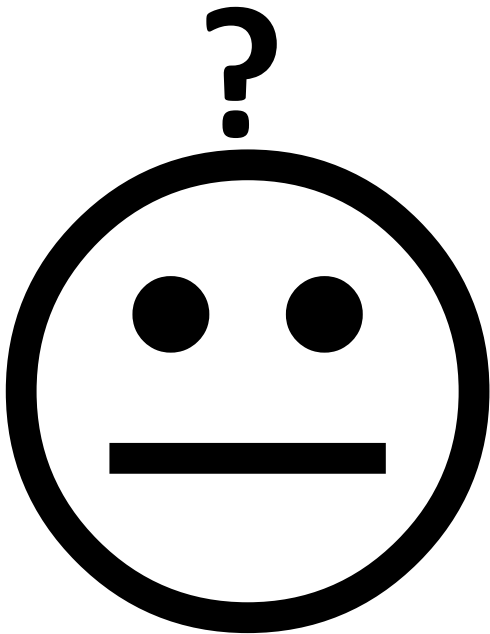
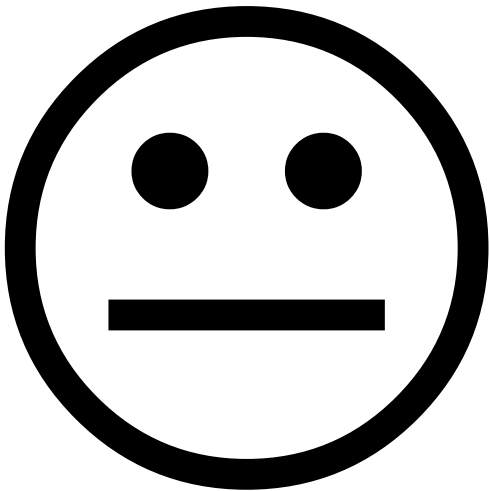
Click

C

D



Cut



Bounce Card

Bounce:

Take what your classmate(s) said and bounce an idea off of it. For example, start with...

“That reminds me of...”

“I agree, because...”

“True. Another example is when...”

“That’s a great point...”

Sum it up:

Rephrase what was just said in a shorter version. For example, start with...

“I hear you saying that...”

“So, if I understand you correctly...”

“I like how you said...”

Inquire:

Understand what your classmates mean by asking them questions. For example, start with...

“Can you tell me more about that?”

“I’m not sure I understand...”

“I see your point, but what about...?”

“Have you thought about...?”



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Aa

Bb

Cc

Dd

Ee

Ff

Gg

Hh

Ii

Jj

Kk

Ll

Mm

Nn

Oo

Pp

Qq

Rr

Ss

Tt

Uu

Vv

Ww

Xx

Yy

Zz

The Periodic Table arranges the chemical elements in two ways. The first is by **atomic number**, starting with hydrogen (atomic number = 1) in the upper left-hand corner and continuing in ascending order from left to right. The second is by the number of electrons in the outermost shell. Elements having the same number of electrons in the outermost shell are placed in the same column. The **lanthanide** series (elements 57-71) and the **actinide** series (elements 89-103) are composed of elements with Group 3b chemical properties. They are placed below the main body of the table to make it easier to read.

1 — atomic number
H — symbol
Hydrogen
1.00794 — atomic weight (or mass number of most stable isotope if in parentheses)

Period	Group 1a	Group 2a	Group 3a	Group 4a	Group 5a	Group 6a	Group 7a	Group 0
1	H Hydrogen 1.00794							He Helium 4.0026
2	Li Lithium 6.941	Be Beryllium 9.0122					F Fluorine 18.9984	Ne Neon 20.183
3	Na Sodium 22.9898	Mg Magnesium 24.305					Cl Chlorine 35.453	Ar Argon 39.948
4	K Potassium 39.098	Ca Calcium 40.08					Br Bromine 79.904	Kr Krypton 83.80
5	Rb Rubidium 85.47	Sr Strontium 87.62					I Iodine 126.9045	Xe Xenon 131.29
6	Cs Cesium 132.905	Ba Barium 137.33					At Astatine (210)	Rn Radon (222)
7	Fr Francium (223)	Ra Radium (226)						Uuo Element 118 (294)

before many of the elements now known were discovered. To maintain the overall logic of the table, Mendeleev allowed space for undiscovered elements whose existence he predicted. This space has since been mostly filled in. Elements 112-116 and 118 have been isolated experimentally but not yet officially named.

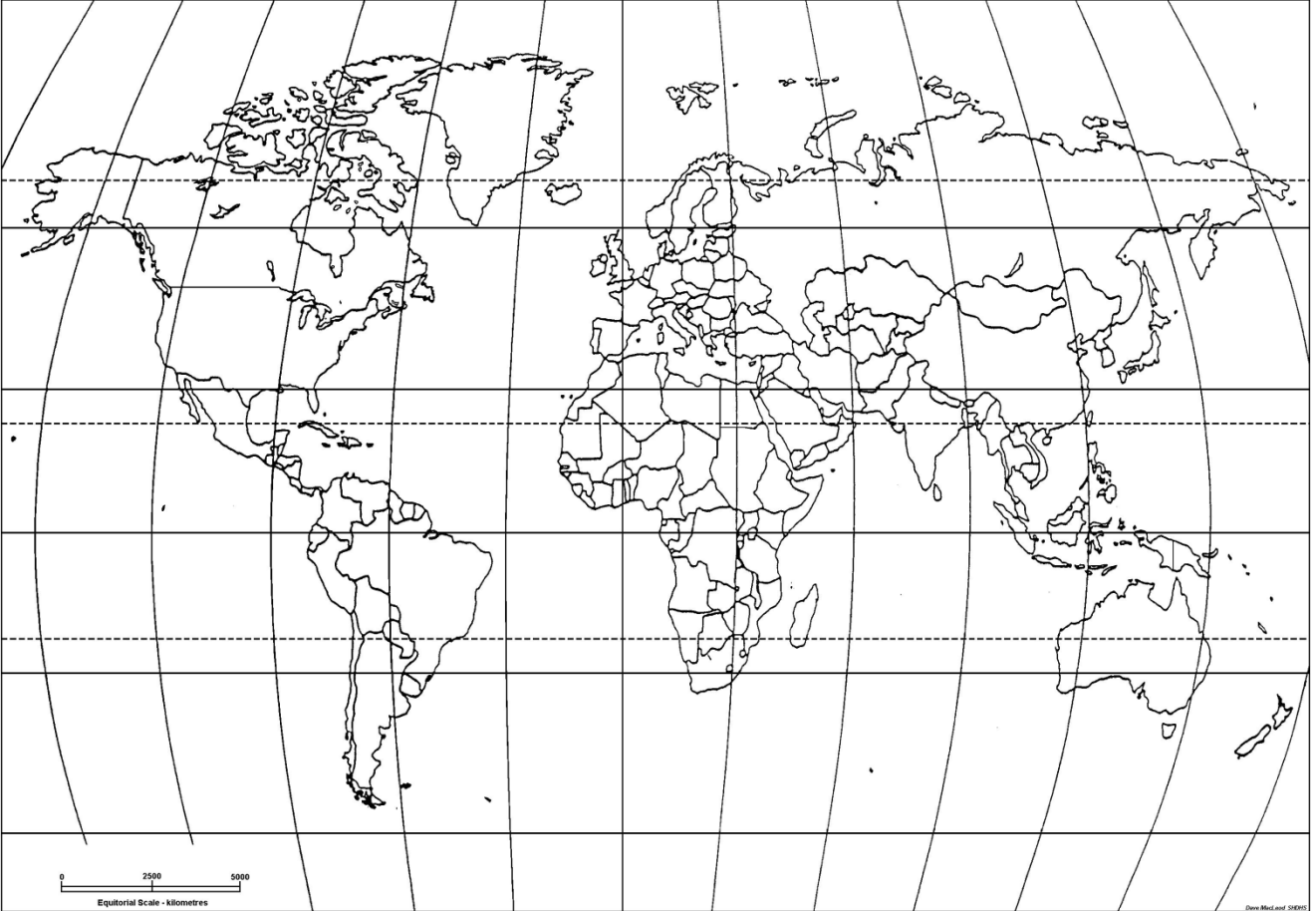
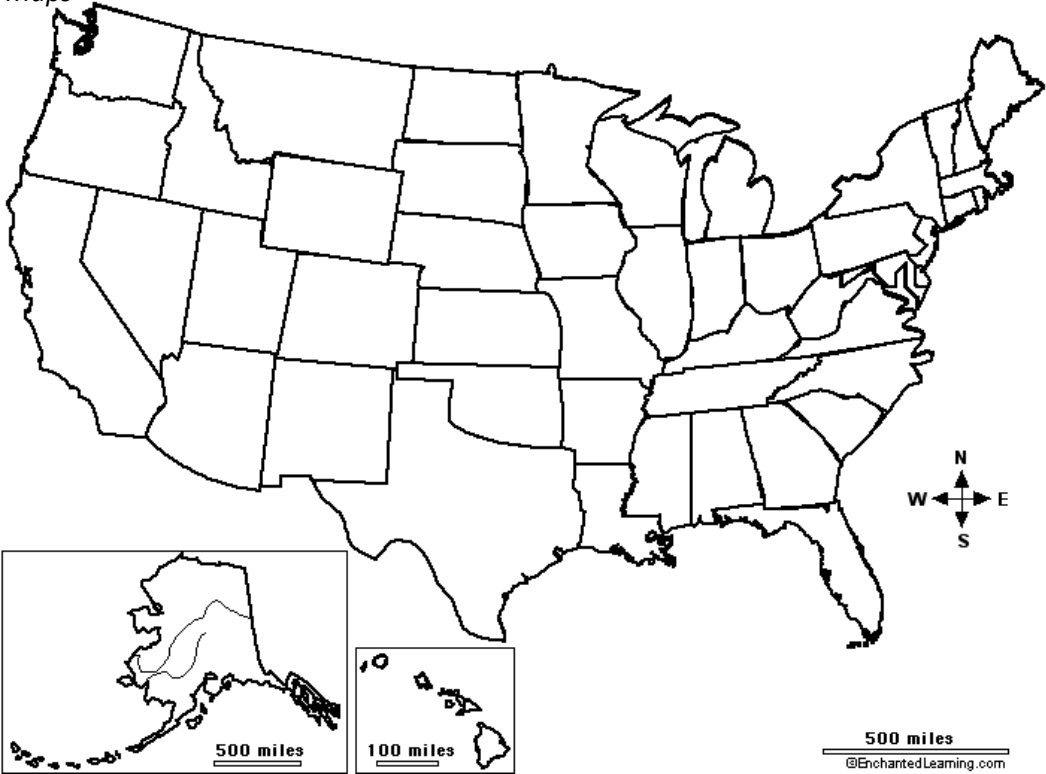
The **lanthanide** series (elements 57-71) and the **actinide** series (elements 89-103) are composed of elements with Group 3b chemical properties. They are placed below the main body of the table to make it easier to read.

This arrangement of the elements was devised by **Dmitri Mendeleev** in 1869.

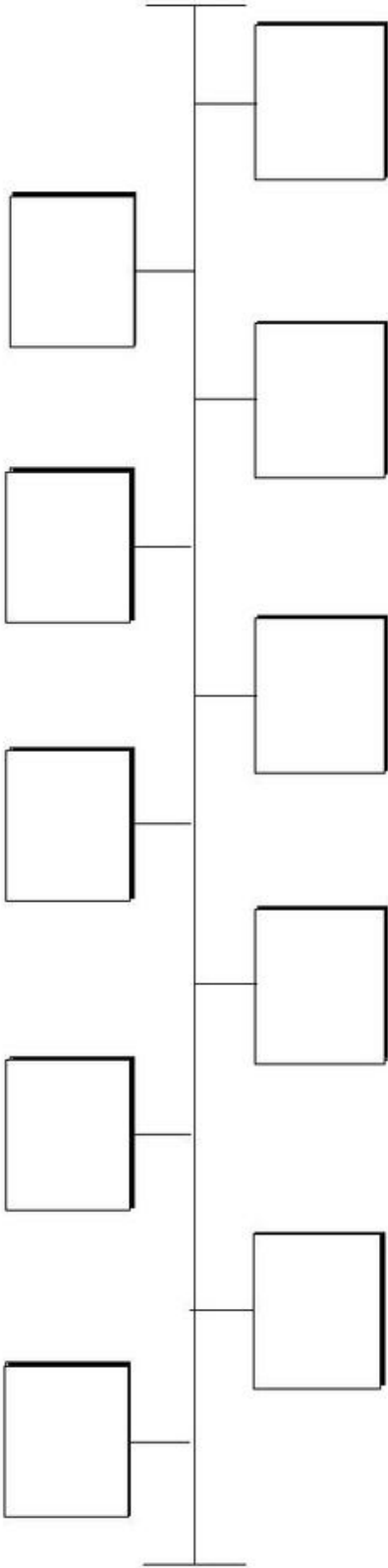
*LANTHANIDES	La Lanthanum 138.91	Ce Cerium 140.12	Pr Praseodymium 140.908	Nd Neodymium 144.24	Pm Promethium (145)	Sm Samarium 150.36	Eu Europium 151.96	Gd Gadolinium 157.25	Tb Terbium 158.925	Dy Dysprosium 162.50	Ho Holmium 164.930	Er Erbium 167.26	Tm Thulium 168.934	Yb Ytterbium 173.04	Lu Lutetium 174.97
**ACTINIDES	Ac Actinium (227)	Th Thorium 232.038	Pa Protactinium 231.036	U Uranium 238.03	Np Neptunium (237)	Pu Plutonium (244)	Am Americium (243)	Cm Curium (247)	Bk Berkelium (247)	Cf Californium (251)	Es Einsteinium (252)	Fm Fermium (257)	Md Mendelevium (258)	No Nobelium (259)	Lr Lawrencium (262)

Element	Symbol	Atomic Number	Element	Symbol	Atomic Number	Element	Symbol	Atomic Number	Element	Symbol	Atomic Number	Element	Symbol	Atomic Number	Element	Symbol	Atomic Number
Actinium	Ac	89	Californium	Cf	98	Element 113	Uut	113	Francium	Fr	87	Neodymium	Nd	60	Thulium	Th	90
Aluminum	Al	13	Chlorine	Cl	17	Element 114	Uuq	114	Helium	He	2	Europium	Eu	63	Thulium	Th	69
Americium	Am	95	Cerium	Ce	58	Element 115	Uuh	115	Holmium	Ho	67	Europium	Eu	63	Thulium	Th	69
Antimony	Sb	51	Cesium	Cs	55	Element 116	Uuh	116	Hydrogen	H	1	Europium	Eu	63	Thulium	Th	69
Argon	Ar	18	Chlorine	Cl	17	Element 117	Uuo	117	Indium	In	49	Europium	Eu	63	Thulium	Th	69
Arsenic	As	33	Chromium	Cr	24	Element 118	Uuo	118	Iodine	I	53	Europium	Eu	63	Thulium	Th	69
Astatine	At	85	Cobalt	Co	27	Element 119	Uuo	119	Iron	Fe	26	Europium	Eu	63	Thulium	Th	69
Barium	Ba	56	Copper	Cu	29	Element 120	Uuo	120	Krypton	Kr	36	Europium	Eu	63	Thulium	Th	69
Berkelium	Bk	97	Copper	Cu	29	Element 121	Uuo	121	Lanthanum	La	57	Europium	Eu	63	Thulium	Th	69
Beryllium	Be	4	Curium	Cm	96	Element 122	Uuo	122	Lanthanum	La	57	Europium	Eu	63	Thulium	Th	69
Bismuth	Bi	83	Darmstadtium	Ds	110	Element 123	Uuo	123	Lanthanum	La	57	Europium	Eu	63	Thulium	Th	69
Boron	B	5	Dubnium	Db	105	Element 124	Uuo	124	Lead	Pb	82	Europium	Eu	63	Thulium	Th	69
Bromine	Br	35	Dysprosium	Dy	66	Element 125	Uuo	125	Lithium	Li	3	Europium	Eu	63	Thulium	Th	69
Cadmium	Cd	48	Einsteinium	Es	99	Element 126	Uuo	126	Lutetium	Lu	71	Europium	Eu	63	Thulium	Th	69
			Element 112	Uuo	112	Element 127	Uuo	127	Magnesium	Mg	12	Europium	Eu	63	Thulium	Th	69

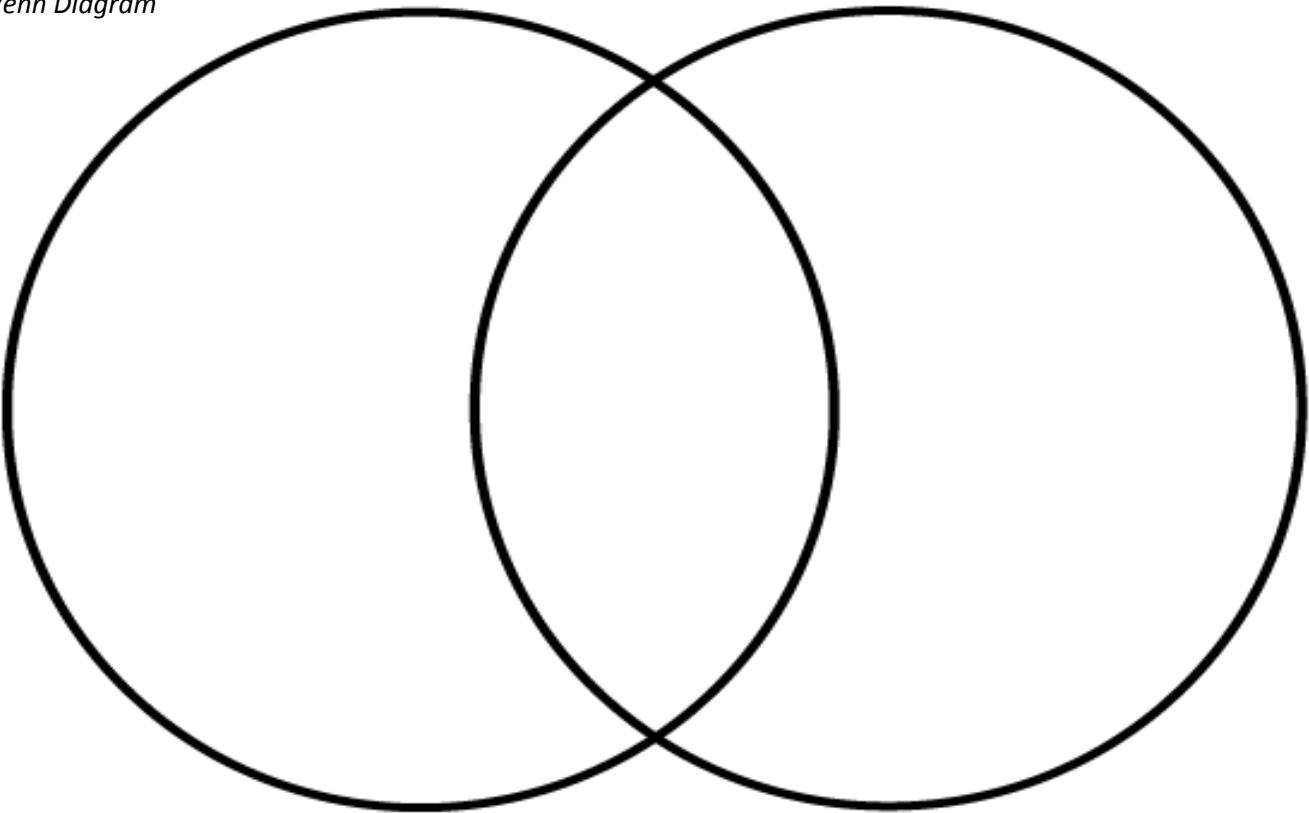
ALPHABETICAL TABLE OF THE ELEMENTS



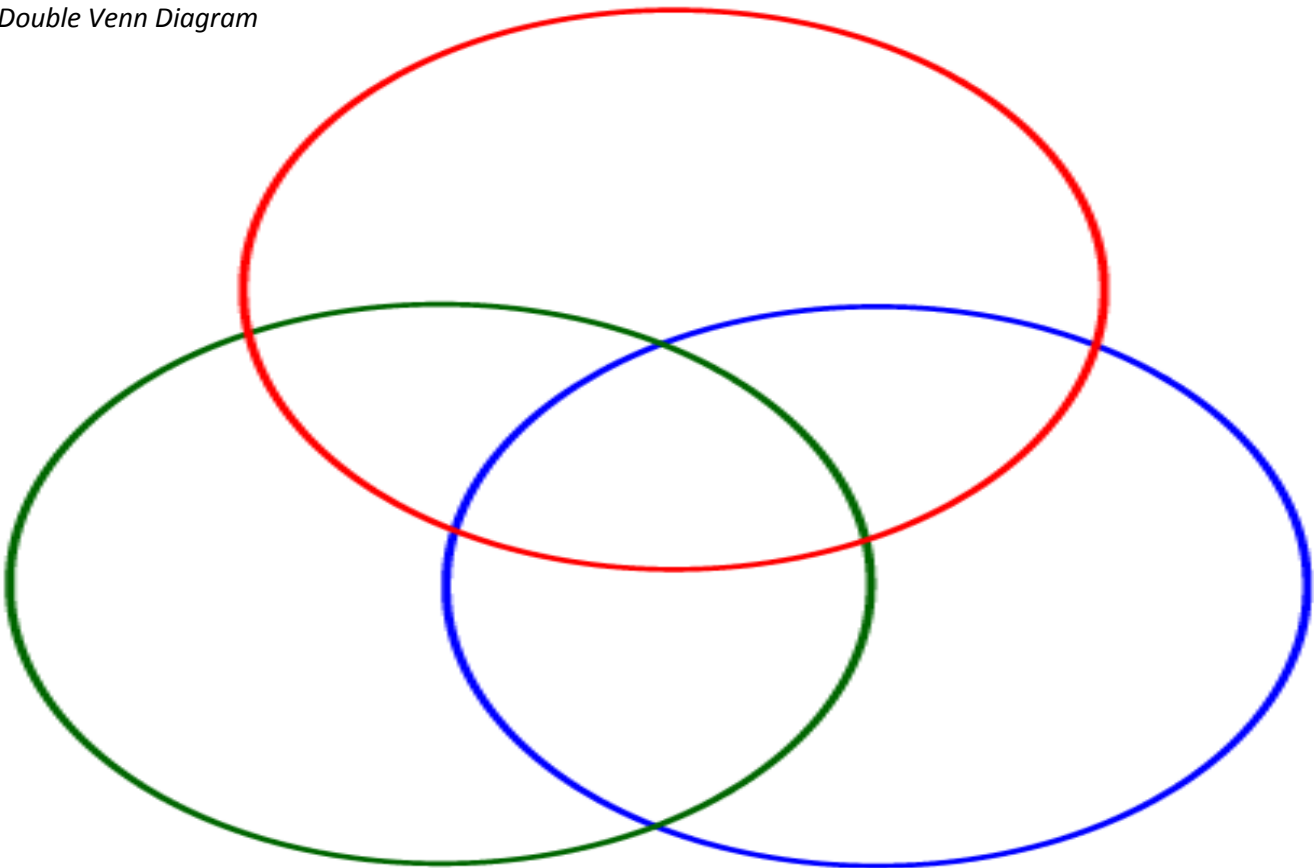
Timeline



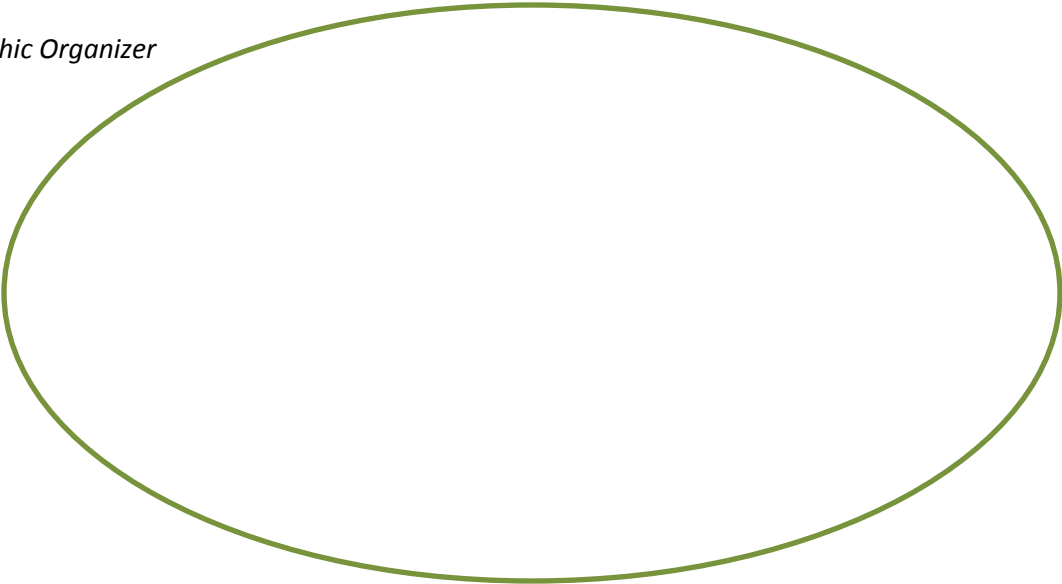
Venn Diagram



Double Venn Diagram



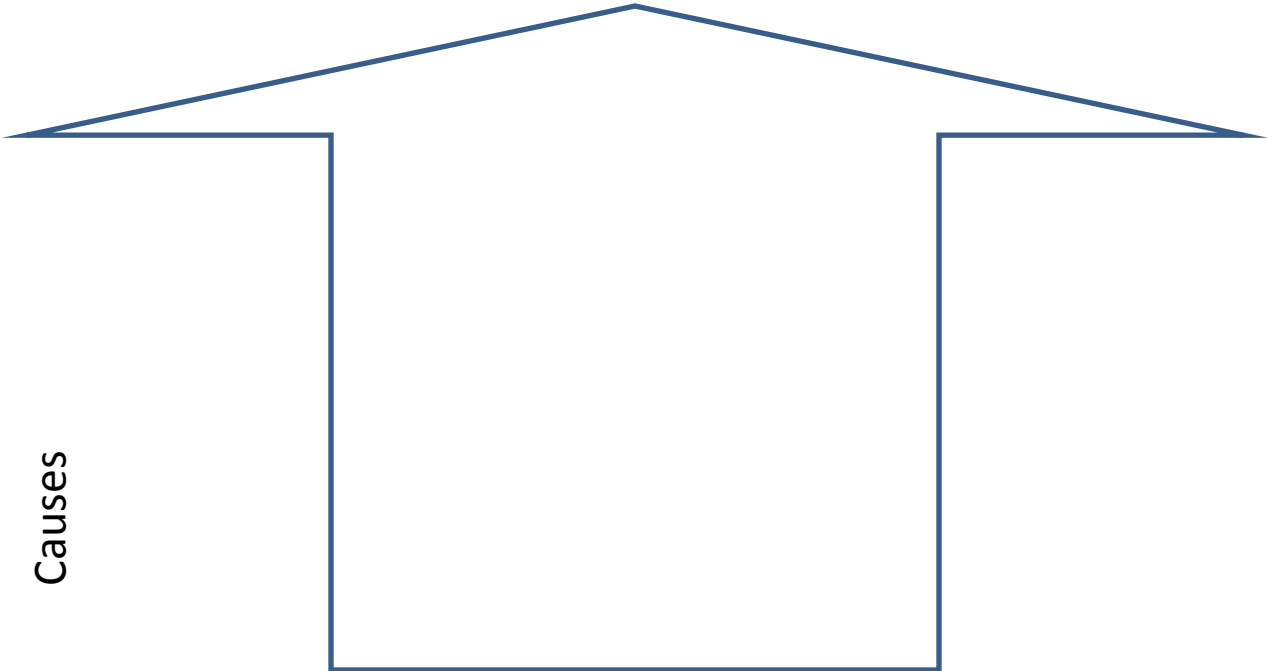
Effects Today



Results



Causes



Picture-Pause #1	Picture-Pause #2	Picture-Pause #3
Topic	Topic	Topic
The BIG Picture		
Explanation:		

Notes	Sum it Up

1. Give your opinion and explain your rationale.

Record your opinion and explain your reason for it.

2. Add a supporting argument.

Read your classmate's response. In this box, add another reason that would *support* your classmate's response.

3. Add an opposing argument.

Record a reason that might be used to argue *against* what is written in boxes #1 and #2.

4. Add your "two cents."

Read what is written in the three boxes. Add *your opinion* and your *reason* for it in this box.

Appointments	
Time	
8:00 a.m.	
9:00 a.m.	
10:00 a.m.	
11:00 a.m.	
12:00 p.m.	
1:00 p.m.	
2:00 p.m.	
3:00 p.m.	
4:00 p.m.	
5:00 p.m.	
6:00 p.m.	
7:00 p.m.	