

2. Mnemonics



Fun With Mnemonics



Definition of Mnemonics

Mnemonic devices are techniques a person can use to help improve their ability to remember something.

In other words, it's a memory technique to help your brain better encode and recall important information.



Spelling and Pronunciation of “Mnemonic”:

The M is silent, similar to the P in Pneumonia or Pneumatic.

(Pneu- has to do with air, in the lungs or in a machine;

Mn- has to do with memory)

Also, notice that the Mn has the alphabetical order: “L-M-N-O-P” from the ABC Song.

And, by the way, what kind of a device is the ABC Song?

Answer: It is a Mnemonic device.

The “Mn” at the beginning of the word comes from the Greek Goddess of Memory: “Mnemosyne” (Nee mos’ i nee)

And also, the “monic” part of the word comes from the same derivation as “harmonica” or “harmonic” or “harmony”, having to do with music or sounds.

**Examples of Mnemonic Devices:
(Sayings, Poems, Songs to help you
remember certain information)**



1. Suppose it is the autumn season and it's time to change the clocks.

Do we go one hour forward or back?

“Spring forward; fall back.”

2. Your daughter sends you a birthday gift and you want to acknowledge it. So you send her a note, “I have rec..... your gift”

when

**“I before E, except after C, or
pronounced like A
as in neighbor and weigh”**

3. Your grandchild wants to know what is the letter after q in the alphabet

A, B, C, D, E- F- G,.....

4. What is the meaning of this mnemonic device, which is an ACRONYM?

HOMES

5. What is the meaning of this mnemonic device, which is an ACROSTIC?

**My Very Excellent Mother Just Served Us
Nine Pizzas (or Nachos)**

More Acronyms and Acrostics

LASER –

Light Amplification by Stimulated Emission of Radiation

RADAR –

Radio Detection and
Ranging

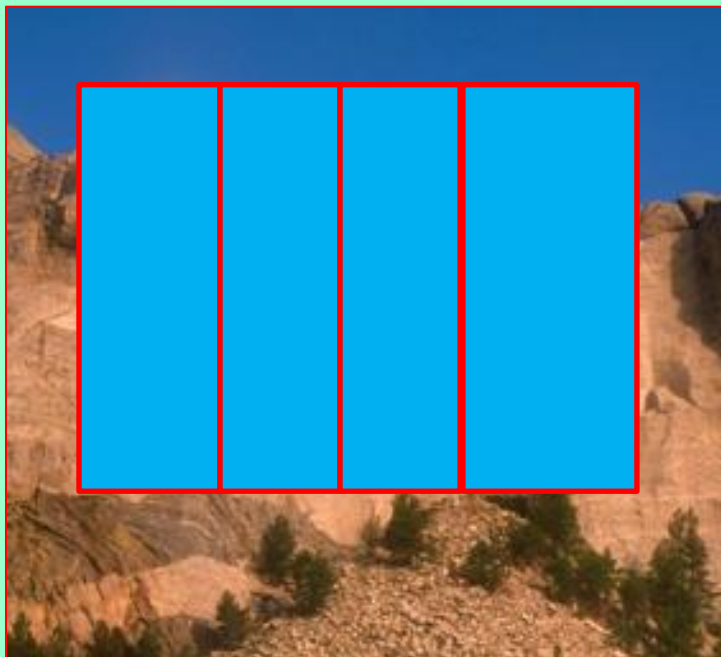
WHAT ARE THE FACES ON MT. RUSHMORE?

We

Just

Like

Rushmore!



Here's a way to remember the words

Acronym and **Acrostic**:

More Mnemonic Devices

There are two types of Camels, one hump and two: Dromedary and Bactrian
Can you guess which is which?



~~one hump, one humped, one humped~~

Do you know this Acrostic?

NA-SA hAS **AN** Extra-sAFe hAUS





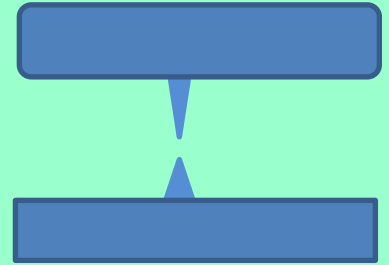
Is it a stroke?

Act **E.A.S.T.**

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Which of these are on the top of the cave and which on the bottom?

Stalactites or Stalagmites?



Any idea about this one? Hint: It's particularly good for chemists

Harry, He Likes Beer, Bottle Cold, Not Over Frothy; Nellie's Nanny Might; Although Silly Person, She Climbs Around Kinky Caves..... Any Guesses?

Periodic Table of Elements

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	H Hydrogen 1.00794																	He Helium 4.002602	
2	Li Lithium 6.941	Be Beryllium 9.012182																	
3	Na Sodium 22.98976928	Mg Magnesium 24.3050																	
4	K Potassium 39.0983	Ca Calcium 40.078	Sc Scandium 44.955912	Ti Titanium 47.88	V Vanadium 50.9415	Cr Chromium 51.9961	Mn Manganese 54.938045	Fe Iron 55.845	Co Cobalt 58.933196	Ni Nickel 58.6934	Cu Copper 63.546	Zn Zinc 65.38	Ga Gallium 69.723	Ge Germanium 72.64	As Arsenic 74.92160	Se Selenium 78.96	Br Bromine 79.904	Kr Krypton 83.798	
5	Rb Rubidium 85.4678	Sr Strontium 87.62	Y Yttrium 88.90585	Zr Zirconium 91.224	Nb Niobium 92.90638	Mo Molybdenum 95.96	Tc Technetium (97.9072)	Ru Ruthenium 101.07	Rh Rhodium 102.90550	Pd Palladium 106.42	Ag Silver 107.8682	Cd Cadmium 112.411	In Indium 114.818	Sn Tin 118.710	Sb Antimony 121.757	Te Tellurium 127.60	I Iodine 126.90509	Xe Xenon 131.29	
6	Cs Cesium 132.9054519	Ba Barium 137.327	57-71	Hf Hafnium 178.49	Ta Tantalum 180.94738	W Tungsten 183.84	Re Rhenium 186.207	Os Osmium 190.23	Ir Iridium 192.222	Pt Platinum 195.084	Au Gold 196.966569	Hg Mercury 200.59	Tl Thallium 204.3833	Pb Lead 207.2	Bi Bismuth 208.98040	Po Polonium 209	At Astatine 210	Rn Radon 222	
7	Fr Francium 223	Ra Radium 226	89-103	Rf Rutherfordium 261	Db Dubnium 262	Sg Seaborgium 266	Bh Bohrium 264	Hs Hassium 277	Mt Meitnerium 268	Ds Darmstadtium 271	Rg Roentgenium 272	Uub Ununbium 285	Uut Ununtrium 284	Uuq Ununquadium 289	Uup Ununpentium 288	Uuh Ununhexium 292	Uus Ununseptium 291	Uuo Ununoctium 294	

For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

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57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La Lanthanum 138.9049	Ce Cerium 140.116	Pr Praseodymium 140.90768	Nd Neodymium 144.242	Pm Promethium (145)	Sm Samarium 150.36	Eu Europium 151.964	Gd Gadolinium 157.25	Tb Terbium 158.92535	Dy Dysprosium 162.500	Ho Holmium 164.93032	Er Erbium 167.259	Tm Thulium 168.93421	Yb Ytterbium 173.054	Lu Lutetium 174.967
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac Actinium (227)	Th Thorium 232.0377	Pa Protactinium 231.03689	U Uranium 238.02891	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)



Is the Port Side of a ship on the Left or on the Right?

How about StaRboard?

Or, on Viking ships the steerboard was used by a right-handed person
and port was on left.

Which one of your hands forms a Letter that shows whether it is Left or Right?

Do you know the Common Law Felonies, MRS BAKER?
(Murder, Rape, Sodomy, Burglary, Arson, Kidnapping, Escape & Robbery)

And if you count the no. of letters in each of these words, what do you have?

“Now I need a drink, alcoholic of course, after the heavy lectures involving quantum mechanics”

Answer: 314159265358979

What does this one mean?

Memory Needs Every Method Of Nurturing Its Capacity

MNEMONIC

And a few more examples that may be useful:

30 days hath ...

**Desert vs Dessert – which gets the extra
s(ugar)?**

Mississippi – Can you spell it without chanting?

Roy G. Biv or Roy G. Bv

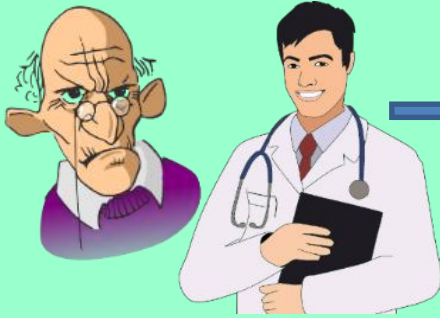
**Which Americans Joined Many Migrants And
Journeyed, Very Historically, Together**

**“I’m walking through the hall
with my finger on the wall”**

To help your memory,
and to keep your mind sharp,
it's good to use little mental
exercises.

So, here is an interesting
little mental exercise:

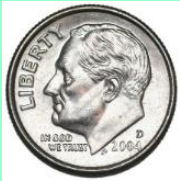
1. Choose a Number between 2 and 9. Keep it secret.
2. Multiply by 9, to give you a two-digit number. Then add the two digits together.
3. Subtract 5. The result is called your Base Number.
4. Your Base Number corresponds to a Base Letter, such as 1=A, 2=B, etc. So find your Base Letter.
5. Think of a Country beginning with your Base Letter.
6. Go to the last letter of that country and think of an Animal beginning with that letter.
7. Go to the last letter of that animal and think of a Color beginning with that letter.
8. Is anyone thinking of an Orange Kangaroo from Denmark?



“Old Timer’s” Disease



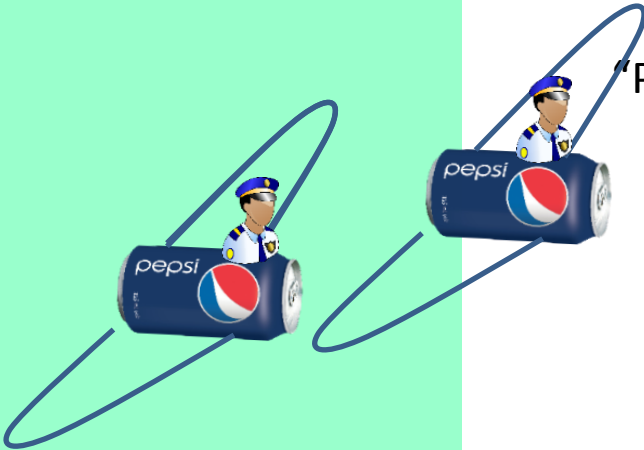
Dr. Alzheimer



“Dime-entia” or
Dementia



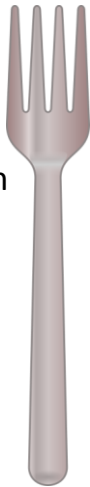
“Pe(n)sacola”



Mnemonic for a Place Setting at the Table:
(Napkin, Glass, Fork, Knife, Spoon)

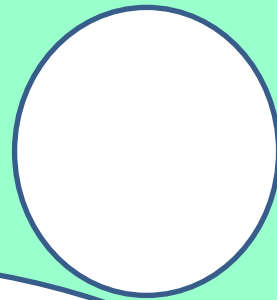
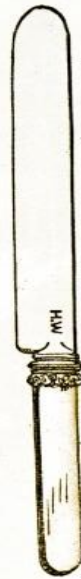
Left
(Even)

Napkin
Fork

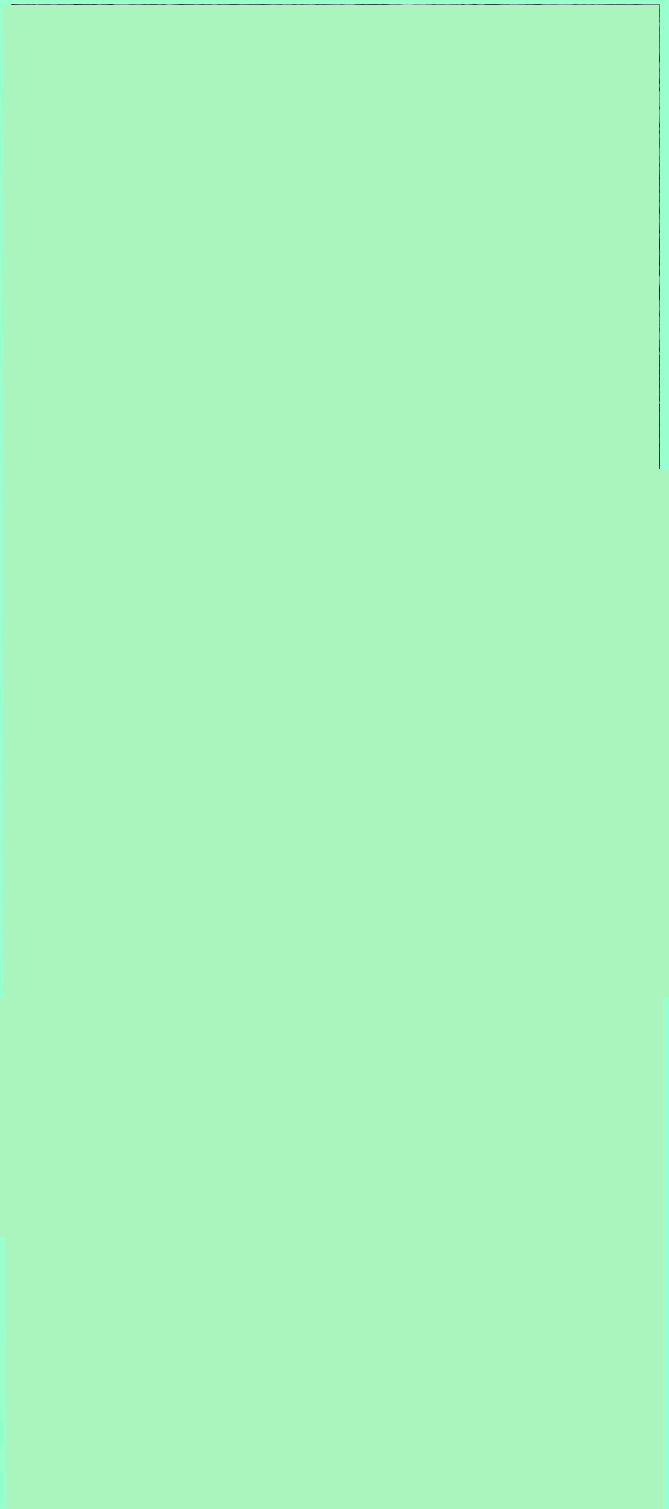


Right
(Odd)

Glass
Knife
Spoon



And here is one more,
which is actually used
by some of the Rangers
at our National Parks:



Mental Exercise, and handy Mnemonic:

From an email from Pat (student in previous class):

“Neal - here is one for you - my husband swears by this and uses it with success all of the time...”



This Mnemonic can be very useful to many people:

“I Value Xylophones Like Cats Drink Milk”

Hint: It was useful a few years ago when perhaps you watched LII?

So what does it mean?

I=1, V=5,

X=10, L=50, C=100, D=500, M=1000

Therefore, what are these numbers:

Super Bowl XLIV:

44

Movie Produced in MCMLVI:

1956

Whatever happened to MMXVII?

2017

How Music Can Improve Memory

By [Annie Murphy Paul](#) September 22, 2013



Often people can remember a tune but may not know the name of the tune, until the lyrics give it away. Of course some tunes, especially classical music, may not have any words so you may recognize the tune but not be able to remember the name.

So, some people make up words to instrumental music tunes, so that it is easier to identify them. Here are some examples of this mnemonic device:

New Example of an Acrostic:

Oh I Never Say Helping Kids Achieves Security, Without Comment

O,I,N,S,H,K,A,S,W,C.....Hint: There are 10 of them and very important.

Other, Image,

Name,Sabbath,

Honor, Kill, Adultery, Steal,

Witness,Covet

I am the Lord thy God,

- 1. Thou shalt have no other gods before me**
- 2. Thou shalt not make unto thee any graven image**
- 3. Thou shalt not take the name of the Lord thy God in vain**
- 4. Remember the sabbath day, to keep it holy**
- 5. Honor thy father and thy mother**
- 6. Thou shalt not kill**
- 7. Thou shalt not commit adultery**
- 8. Thou shalt not steal**
- 9. Thou shalt not bear false witness against thy neighbour**
- 10. Thou shalt not covet**

Here's A New "T" (Testament) For You

(tune of Tea for Two)

Some Abbreviations:

Corinths = Corinthians, Fesians = Ephesians,
Flips = Philippians, Colossal = Colossians,
Thess = Thessalonians, Timmy = Timothy
Phil = Philemon, Pete = Peter, Rev = Revelation

Matthew, Mark and Luke and John,
Acts and Romans, let's go on.
Two Corinths, and then Galatians true,
Fesians, Flips, Colossal too,
1,2 Thess and Timmy two.
Titus, Phil and then we have Hebrew,
James, 2 Petes, 3 Johns, it's true
And Jude and Rev and it's all through.
Now aren't you glad
That you can sing this too?

Here is an Acrostic that kind of sums things up for this course:

“Peter Piper Picked a Peck
of Chunks and Links for Memory Growth”

What does it represent?

Pegs,

Prompts,

Pictures,

Poka-Yokes,

Chunking and Linking,

Mnemonics and

General Helpers

That 's- -
That's ALL Folks!

