

# BAPHL15 Solution: Quirky Quiz of Curious Categories

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For each of the example sets, the “true” words follow a rule while the “false” answers follow a related, but somewhat opposing rule. Each set of the quiz answers can be paired with one of these rules. Now each answer set is a series of 5 true or false values. We treat these as 5-digit binary to get a number between 1 and 26 which is then read as a letter using 1=A, 2=B, ...

The pairings of the rules are as follows:

The “True” words are the start of a Green Line MBTA station

The “False” words are the start of a Red Line MBTA station

True: COP, FEN, PRUDENT

False: ASH, BROAD, CENT

1. B) BRAIN BRAIN(TREE)  
A) ALE ALE(WIFE)  
P) PORT PORT(ER)  
H) HAY HAY(MARKET)  
L) LONG LONG(WOOD)

This gives: False, False, False, True, True = 00011 = 3 = C

The “True” words become a state capital when one letter changed DENSER->DENVER

The “False” words become a national capital when one letter changed LIME->LIMA

True: DENSER, LANDING, NOISE

False: LIME, MERLIN, PARTS

2. B) BURN BERN (SWITZERLAND)  
A) AXMAN AMMAN (JORDAN)  
P) PLAGUE PRAGUE (CZECH REPUBLIC)  
H) HOME ROME (ITALY)  
L) LOVER DOVER (DELAWARE)

This gives: False, False, False, False, True = 00001 = 1 = A

The “True” words are elements which have a 1-letter Atomic Symbol.

The “False” words are elements which have a 2-letter Atomic Symbol.

True: HYDROGEN, OXYGEN, TUNGSTEN

False: GOLD, PLATINUM, SILVER

3. B) BORON B  
A) ALUMINUM Al  
P) PHOSPHORUS P  
H) HELIUM He  
L) LITHIUM Li

The gives: True, False, True, False, False = 10100 = 20 = T

The letters of the "True" words are in reverse alphabetical order.

The letters of the "False" words are in alphabetical order.

True: SPONGED, TONED, WRONG

False: GHOST, EMPTY, GLORY

4.    B)    BIOPSY  
      A)    ALMOST  
      P)    POLLED  
      H)    HINT  
      L)    LIFE

This gives: False, False, True, False, True = 00101 = 5 = E

The "True" words can have "ANTI" added to the front and still be a word.

The "False" words can have "PRO" added to the front and still be a word.

True: GONE, LOCK, SOCIAL

False: CLAIM, POSE, TRACTOR

5.    B)    BODY            (ANTI)BODY  
      A)    ACTIVE        (PRO)ACTIVE  
      P)    PORTION      (PRO)PORTION  
      H)    HERO         (ANTI)HERO  
      L)    LONG         (PRO)LONG

This gives: True, False, False, True, False = 10010 = 18 = R

The "True" words contain a body part backwards (GEL)ATIN

The "False" words contain a body part forwards S(NAIL)

True: GELATIN, LOVEBIRD, RESONATE,

False: HIPPIE, MERCHANDISE, SNAIL

6.    B)    BAGEL            BA(GEL) = LEG  
      A)    ARMADA         (ARM)ADA  
      P)    PEARLY         P(EAR)LY  
      H)    HELIPORT       HE(LIP)ORT  
      L)    LAUNCHING      LAUN(CHIN)G

This gives: True, False, False, False, False = 10000 = 16 = P

Each of the "True" words contains the sound "Aft"

Each of the "False" words contains the sound "Fore"

True: CAMSHAFT, GRAFTING, LIFERAFT

False: AMPHORA, FORFEIT, INFORMATION

7.    B)    BEFORE  
      A)    AIRCRAFT  
      P)    PHOSPHOROUS  
      H)    HERETOFORE  
      L)    LAUGHTER

This gives: False, True, False, False, True = 01001 = 9 = I

The starting sound of each of the "True" words is a letter.

The ending sound of the "False" words is a letter.

True: ARTIST, EULOGIZE, SEAPLANE

False: BOUQUET, JOSEPH, PLATEAU

8.    B)    BUNGEE  
      A)    ABLE  
      P)    PEONY  
      H)    HARDY  
      L)    LEVEE

This gives: False, True, True, False, False = 01100 = 12 = L

The "True" words contain a palindromic substring of 5 letters (LEVEL)LING

The "False" words contain a palindromic substring of 4 letters C(OMMO)NWEALTH

Note: There was an error in the puzzle. LETTERPRESS has both a 4- and a 5-letter palindromic substring.

True: ASSOCIATIVITY, TENEMENTS, LEVELLING

False: COMMONWEALTH, COMMISSIONER, MASSACHUSETTS

9.    B)    BALLADEER  
      A)    ANNOTATOR  
      P)    POSSESSIVENESS  
      H)    HIPPIE  
      L)    LETTERPRESS

This was supposed to give: False, True, True, False, False = 01100 = L

The "True" words can have the first letter moved to the end (DHOLE->HOLED).

The "False" words can have the last letter moved the front (MANATEE->EMANATE)

True: DHOLE, FLEA, GRIFFIN

False: CATS, EARTH, MANATEE

10.   B)    BETA                    BETA->ABET  
      A)    ANGST                ANGST->TANGS  
      P)    PILLAGES            PILLAGES->SPILLAGE  
      H)    HALLOWS            HALLOWS->SHALLOW  
      L)    LEASE               LEASE->EASEL

This gives: False, False, False, False, True = 00001 = 1 = A

The "True" words are the last names of (major-ish) Marvel Cinematic Universe Characters

The "False" words are the last names of (major-ish) DC Cinematic Universe Characters

True: CARTER, FURY, QUILL

False: CURRY, STONE, WHITE

11.   B)    BANNER  
      A)    ALLEN  
      P)    PRINCE  
      H)    HILL  
      L)    LANE

This gives: True, False, False, True, False = 10010 = 18 = R

Reading this in order gives CATERPILLAR which is the answer.