

**Weed Science, PLS 4601c Section 7644
and Grad. – Prin. Of Weed Science AGR 6932 Section 9212
University of Florida - Davie**

<http://grove.ufl.edu/~turf/weedscience/>

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Quiz 2 –Natural sciences and mathematics (Review)

1. Using the table of periodic elements below, what is the atomic weight of water, H₂O?
 - a) 1
 - b) 3
 - c) 32
 - d) 33
 - e) None of the above

Period	1																18	
1	1 H 1.008	2										13	14	15	16	17	2 He 4.003	
2	3 Li 6.941	4 Be 9.012	Group										5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18
3	11 Na 22.99	12 Mg 24.31	3	4	5	6	7	8	9	10	11	12	13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95
4	19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.88	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.39	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3
6	55 Cs 132.9	56 Ba 137.3	57 La *138.9	72 Hf 178.5	73 Ta 180.9	74 W 183.9	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.5	81 Tl 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (210)	85 At (210)	86 Rn (222)
7	87 Fr (223)	88 Ra (226)	89 Ac ~(227)	104 Rf (257)	105 Db (260)	106 Sg (263)	107 Bh (262)	108 Hs (265)	109 Mt (266)	110 Ds (271)	111 Uuu (272)	112 Uub (277)	114 Uuq (296)		116 Uuh (298)		118 Uuo (?)	
Lanthanide Series			58 Ce 140.1	59 Pr 140.9	60 Nd 144.2	61 Pm (147)	62 Sm 150.4	63 Eu 152.0	64 Gd 157.3	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	71 Lu 175.0			
Actinide Series			90 Th 232.0	91 Pa (231)	92 U (238)	93 Np (237)	94 Pu (242)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (249)	99 Es (254)	100 Fm (253)	101 Md (256)	102 No (254)	103 Lr (257)		

2. Which elements are inert and do not generally react chemically)?
 - a) H – Li – Na - K
 - b) Be – Mg – Ca - Sr
 - c) F – Cl – Br - I
 - d) He – Ne – Ar - Kr
 - e) None of the above
3. What is the approximate atomic weight of methane CH₄?
 - a) 5
 - b) 12
 - c) 16
 - d) 32
 - e) None of the above
4. The molecular weight is about 162 for the herbicide MSMA (monosodium methanearsenate) which has the molecular formula CH₄AsNaO₃. What percent arsenic (As) is MSMA?
 - a) 100%
 - b) about 162%
 - c) about 46%
 - d) about 75%
 - e) None of the above
5. What supports weeds as “plants that are adapted to disturbed habitats”?
 - a) the desirable characteristics of weeds
 - b) the effect of chemicals on weeds
 - c) the participation of weeds in old field succession
 - d) the undesirable characteristics of weeds
 - e) None of the above
6. The chemical characteristics of an element are mostly determined by?
 - a) the electrons
 - b) the muons
 - c) the neutrons
 - d) the protons
 - e) None of the above

7. Grasses (Poaceae) are a?
 - a) species
 - b) genus
 - c) family
 - d) order
 - e) None of the above
8. An organelle the does photosynthesis:
 - a) logarithm
 - b) mitochondrion
 - c) nucleus
 - d) ribosome
 - e) None of the above
9. The sister family of grasses is?
 - a) sedges (Cypreaceae)
 - b) coffee family (Rubiaceae)
 - c) sunflower family (Asteraceae)
 - d) pea family (Fabaceae)
 - e) None of the above
10. The article on “Impact of cultural factors on weed populations in St. Augustinegrass turf”:
 - a) Dollarweed was mostly affected by fertilization rate
 - b) Dollarweed was mostly affected by herbicides
 - c) Dollarweed was mostly affected by irrigation
 - d) Dollarweed was mostly affected by mowing height
 - e) None of the above
11. What are some common characteristics of weeds:
 - a) large number of seeds
 - b) underground rhizomes
 - c) opportunistic
 - d) All of the above
 - e) None of the above

12. List four undesirable characteristics of weeds:

a) _____

b) _____

c) _____

d) _____

13. List four desirable characteristics of weeds:

a) _____

b) _____

c) _____

d) _____