

Student Name \_\_\_\_\_

**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/>

**Philip Busey, turf@ufl.edu**

**954-579-3932 (cell)**

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### **Quiz 6**

1. Which of these herbicides is nonselective?
  - a) fluazifop-p
  - b) glyphosate
  - c) imazapyr
  - d) metsulfuron
  - e) MSMA
2. Which herbicide contains a heavy element (not H, C, O, N, or S):
  - a) fluazifop-p
  - b) glyphosate
  - c) imazapyr
  - d) metsulfuron
  - e) MSMA
3. Which herbicide is translocated apoplastically:
  - a) atrazine
  - b) fluazifop-p
  - c) glyphosate
  - d) oxadiazon
  - e) paraquat
4. Which herbicide has a low mammalian LD<sub>50</sub> based on adult rats:
  - a) atrazine
  - b) fluazifop-p
  - c) glyphosate
  - d) oxadiazon
  - e) paraquat

5. Which herbicide is most unlikely to cause problems for seedlings:
  - a) atrazine
  - b) glyphosate
  - c) metsulfuron
  - d) oxadiazon
  - e) pendimethalin
6. Which herbicide is an ALS inhibitor:
  - a) atrazine
  - b) glyphosate
  - c) metsulfuron
  - d) oxadiazon
  - e) pendimethalin
7. Which herbicide is more commonly associated with groundwater issues:
  - a) atrazine
  - b) glyphosate
  - c) metsulfuron
  - d) oxadiazon
  - e) paraquat
8. Which herbicide is most likely to provide postemergence control of grasses:
  - a) 2,4-D
  - b) metsulfuron
  - c) MSMA
  - d) oxadiazon
  - e) pendimethalin

9. For each family of herbicides, insert the common chemical name of one example:

Herbicide family	Herbicide common chemical name
aryloxyphenoxypropionate	
bipyridilium	
dinitrolaniline	
glycine	
imidazolinone	
organic arsenical	
oxadiazole	
phenoxy acid	
sulfonylurea	
triazine	

10. For each family of herbicides, insert the mechanism of action from the list:

Herbicide family	Herbicide mechanism of action
aryloxyphenoxypropionate	
bipyridilium	
dinitrolaniline	
glycine	
imidazolinone	
organic arsenical	
oxadiazole	
phenoxy acid	
sulfonylurea	
triazine	

- (1) ACCase inhibitor, (2) ALS inhibitor, (3) auxin-type, (4) EPSPS inhibitor, (5) microtubule / spindle apparatus inhibitor, (6) photosystem I electron diverter, (7) photosystem II inhibitor, (8) protox inhibitor, (9) unknown