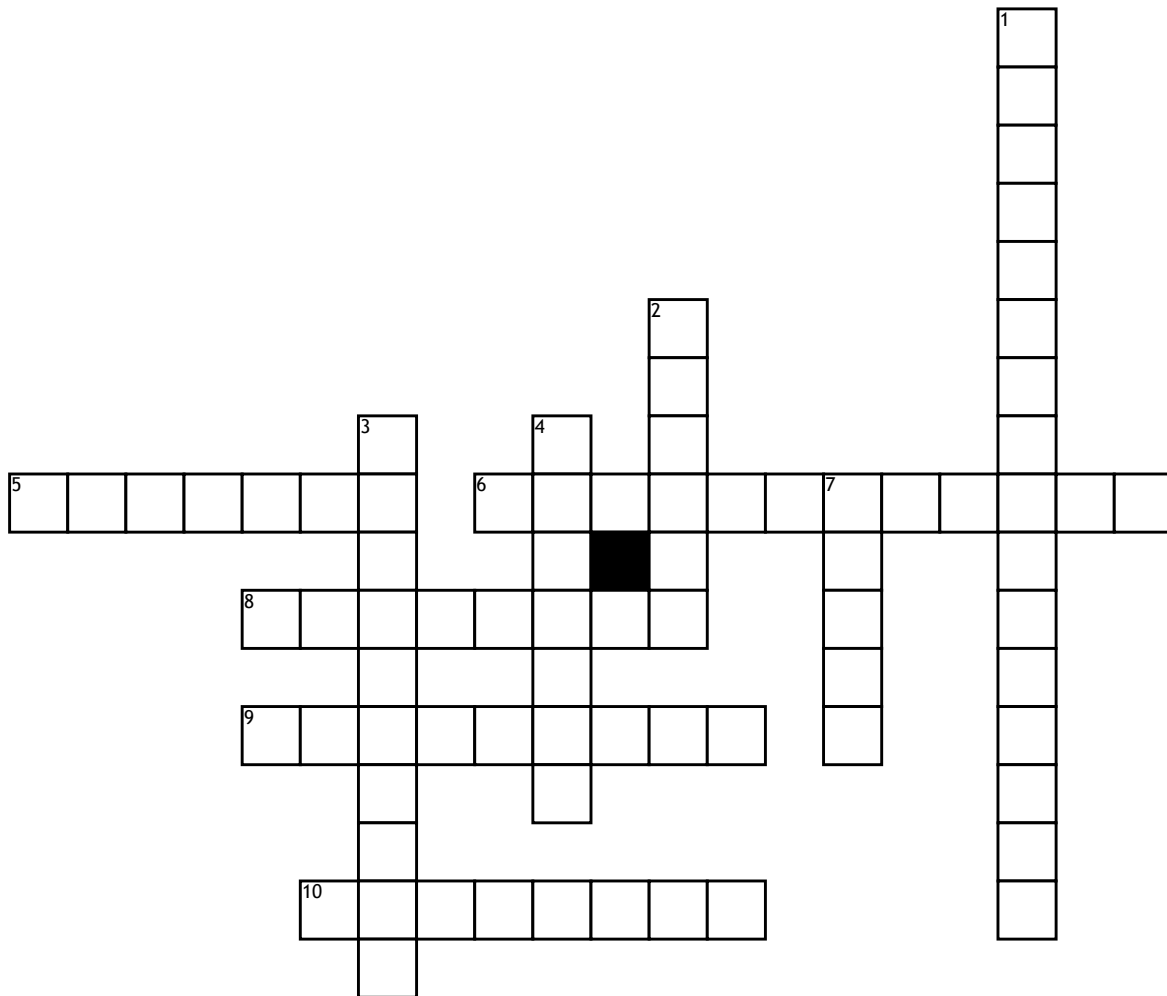


Name: _____

Date: _____

All plants must pay the iron price



Across

5. VIT1 and FPN2 sequester iron here

6. Contains the Fe-S clusters FX, FA and FB

8. Chelates cytosolic, mitochondrial and chloroplastic Fe, increased under Pi starvation

9. Arabidopsis FRO2 converts Fe(III) to Fe(II) and is thus an example of this type of enzyme

10. Part of Nitrite Reductase

Down

1. Chelator, forms transportable Fe complexes: Nicotianamide is one example

2. Fe acts as a catalyst to this 'radical' reaction

3. Donates electrons to NiR, GOGAT rxns

4. Chelates iron in seeds

7. Expression of maize YS1 can rescue defective Fe transport in this organism