**Quiz Bowl Example Questions**

Q: Mollisols form in what ecosystem?

A: Grassland

Q: Charles and Lily Pleas purchased this plant at a world fair as an ornamental. Once its palatability was discovered, it was later grown as a forage crop. Today, it is one of the most invasive plants in the south.   
What plant ate the south?

A: Kudzu

Q: What is a diagnostic surface horizon of mineral soil that is dark colored and relatively thick, contains at least 0.6% organic carbon, is not massive and hard when dry, has a base saturation of more than 50%, has less than 250 mg/kg P2O5 soluble in 1% citric acid, and is dominantly saturated with bivalent cations?

A: Mollic epipedon

Q: What is the taxonomic name of the grass family?

A: Poaceae

Q: What is the bacterial conversion of nitrate to nitrogen gas that is lost from the soil: it occurs primarily under waterlogged, anaerobic soils?

A: Denitrification

Q: What is the patented trade name used for crops genetically engineered for resistance to glufosinate?

A: LibertyLink®

Q: What signal word will be on the label if the pesticide is moderately toxic?

A: Warning

Q: What is a key characteristic vegetative distinction between a grass and a sedge?

A: Sedges have solid, triangular stems

Q: What micronutrient is important in alfalfa production? A deficiency results in yellow to reddish-yellow discoloration of the upper leaflets. This element has an atomic number of 5.

A: Boron